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**TOP NOTCH**

*Seeds...*



**1945**

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**RUSSELL-HECKLE SEED CO.**



**RUSSELL-HECKLE**

*Seed Company*

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CORN**

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**DELTAPINE  
COTTON**





Semesan  
Semesan Bel  
Semesan Jr.

# SEED DISINFECTANTS

## A TREATMENT FOR EVERY MAJOR CROP

Arasan  
2% Ceresan  
Ceresan

## SAVE TIME - LABOR - FERTILIZER

Reduce risk of loss of seed and seedlings by treating before you plant. Du Pont Seed Disinfectants usually control most surface seed-borne and certain soil-borne diseases. The small cost of treatment is generally repaid many times over by the increased stands and greater yields.

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### 2% "CERESAN"

A dry seed treatment that effectively kills certain seed-borne diseases by both contact and vapor—recommended by most experiment stations—inexpensive. One pound treats 32 bushels of seed grain and frequently increases yields. Use New Improved "Ceresan" on barley, oats, wheat, rye, sorghums, millets and flax at ½ oz. per bushel; 1½ oz. per bushel of fuzzy cottonseed; 2 oz. per 100 lbs. delinted cottonseed. Prices: 4 oz., 30c; 1 lb., 80c; 4 lbs., \$2.70; 8 lbs., \$5.40; 25 lbs., \$15.00; 100 lbs., \$55.00. Postpaid, 4 oz., 35c; 1 lb., 90c; 4 lbs., \$2.90; 8 lbs., \$5.70.

Cotton state authorities report that cottonseed treatment with 2% "Ceresan" has given yield increases ranging in value from \$5.73 to \$13.08 an acre. Generally reduces seed rotting and damping-off, resulting in more uniform stands from less seed. Usually controls certain other seed-borne cotton diseases. One pound treats 5 to 8 bushels of seed. Prices: 1 lb., 75c; 4¾ lbs., \$3.14; 25 lbs., \$14.50; 100 lbs., \$52.00; 150 lbs., \$78.00. Postpaid, 1 lb., 85c; 4¾ lbs., \$3.34.

### "ARASAN"

An effective dry seed disinfectant and protectant for destroying many surface seed-borne organisms and protecting the seed against certain soil-borne organisms responsible for seed decay. Usually improves stands of seedlings and frequently increases yield of quality crops. University of Illinois tests show 8.5 bushels per acre increased yield of corn. Excellent reports on use of "Arasan" for peanuts and many vegetables. 1½ to 4 oz. per 100 pounds of seed, depending on the crop. Prices: 1 oz., 16c; 8 oz., 80c; 5 lbs., \$6.45; 25 lbs., \$30.00. Postpaid, 1 oz., 18c; 8 oz., 90c; 5 lbs., \$6.65.

### "SEMESAN BEL"

Tests in fifteen states have proved that most potato growers can usually expect better returns from seed potatoes if they treat them with "Semesan Bel." Costs only about 21 cents an acre—generally reduces seed-piece decay, seed-born scab and rhizoctonia. No mussy soaking—just dip, drain, dry and plant. One pound treats 60 to 80 bushels of seed. Prices: 2 oz., 30c; 1 lb., \$1.65; 4 lbs., \$5.70. Postpaid, 2 oz., 33c; 1 lb., \$1.75; 4 lbs., \$5.90.

### "SEMESAN"

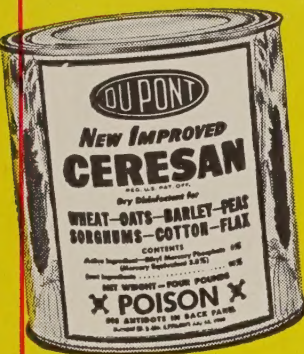
For success with flowers and vegetables, give them a healthy start. Treat seeds, corms, bulbs and seedlings with "Semesan." Apply dry or in solution with water. "Semesan" generally reduces seed rotting and damping-off, is highly effective against many seed-borne diseases, helps to prevent seed-borne soil contamination. One ounce treats 15 to 60 pounds of seed, costs only ¼ cent to 2 cents per pound of seeds treated. Prices: ½ oz., 10c; 2 oz., 40c; 12 oz., \$1.88; 1 lb., \$2.50; 4 lbs., \$9.10. Postpaid, ½ oz., 12c; 2 oz., 43c; 12 oz., \$1.98; 1 lb., \$2.60; 4 lbs., \$9.30.

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### SPECIAL "SEMESAN"

The efficiency of Special "Semesan" in the control of brown patch and dollar spot is recognized by many state experiment stations, hundreds of greenskeepers and home owners. Effective in preventing or controlling both brown patch and dollar spot. Usually provides wide margin of safety with little danger of yellowing or thinning turf when applied as directed. One pound treats up to 6,000 square feet. Prices: 8 oz., \$1.00; 6 lbs., \$9.35; 25 lbs., \$36.00. Postpaid, 8 oz., \$1.10; 6 lbs., \$9.55.



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Cash

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# NOTICE

If we should be sold out of a variety on your order, shall we substitute with a variety equally as good quality as the variety ordered, or return your money? PLEASE MARK WITH AN "X"

Substitute.....

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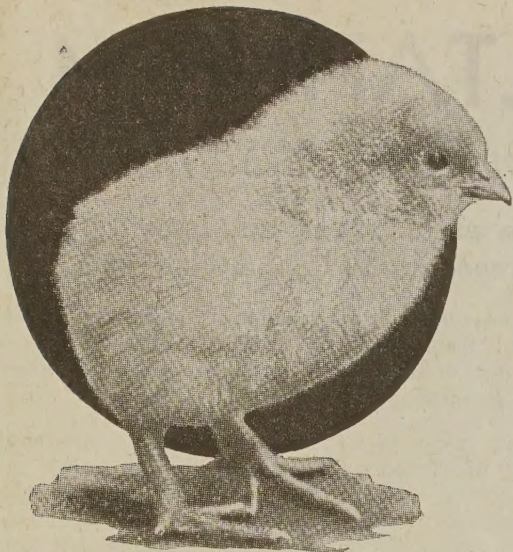
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If you will write below five names and addresses of your friends that you think would be interested in our catalog, accompanied with an order totalling \$1.00 or more, we shall be glad to show our appreciation by sending you a copy of our 1945 Calendar and Almanac. This offer holds good only so long as our present limited supply lasts.

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4				
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Barred Rocks .....	\$ 3.50	\$ 6.75	\$12.50
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Rhode Island Reds (Single Comb).....	3.50	6.75	12.50
Buff Orpingtons .....	3.65	7.00	13.00
White Giants .....	3.90	7.50	14.00
New Hampshire Reds.....	3.90	7.50	14.00

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**100 PER CENT LIVE DELIVERY GUARANTEED.** You will absolutely get full count of LIVE CHICKS. All orders acknowledged promptly. Remit by Post Office or Express money order. Terms on chicks are cash to all. Prices subject to change. SHIPPING CHARGES PREPAID on baby chicks anywhere in the United States.

**SUGGESTION:** The earlier you get a chick hatched after January 1st, the better chance you have of raising it—regardless of the weather—but don't buy a chick unless you have artificial heat and are prepared to protect it from adverse weather conditions for a chick is hatched at a temperature of 103 degrees, and if it gets too hot or too cold, it is likely to die.

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### GARDEN SEED

### FLOWER SEED

### MISCELLANEOUS

## READ CAREFULLY

**HOW TO ORDER**—Use enclosed order sheet and envelope. Write your Full Name and Address plainly. State How You Want Your Order Shipped, giving Post Office, State, R.F.D. No., Box or Street and No.

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**CEILING PRICES**—All prices quoted in this catalog are those ruling January 1, 1945, and are subject to market changes. In event the Office of Price Administration establishes, after the catalog is issued, a ceiling lower than our quoted price, we will immediately correct our price accordingly.

**POSTPAID PRICES**—All prices quoted in this catalog postpaid include mailing charges through the Third Zone (300 miles from Memphis) only. We reserve the right to accept or reject any order for shipment beyond this distance.

**CASH WITH ORDER**—Please send money with order sufficient to cover the whole bill and remit by postal or express money order, bank draft or check. If currency is used, the letter should be registered. For amounts less than \$2.00, stamps are acceptable. We accept, but advise against, C.O.D. orders because of delays and high collection charges, which are unsatisfactory to the customer and expensive to us if uncalled for and returned at our expense. No C.O.D. shipment will be made on Perishable Merchandise, such as Plants, Nursery Stock and Baby Chicks.

**NON-WARRANTY**—Every grower of experience knows that success—with seeds, bulbs, plants or roots depends largely on weather conditions and proper cultivation, so in accordance with the universal custom of the trade Russell-Heckle Seed Company gives no warranty, express or implied, as to the productiveness of any Seeds, Bulbs, Plants or Roots it sells, and will not be in any way responsible for the crop. Its liability in all instances is limited to the purchase price of seeds, bulbs, plants or roots.



# For RECORD YIELDS Plant

## DELTAPINE 14

*Proven by Tests to Be the Best*

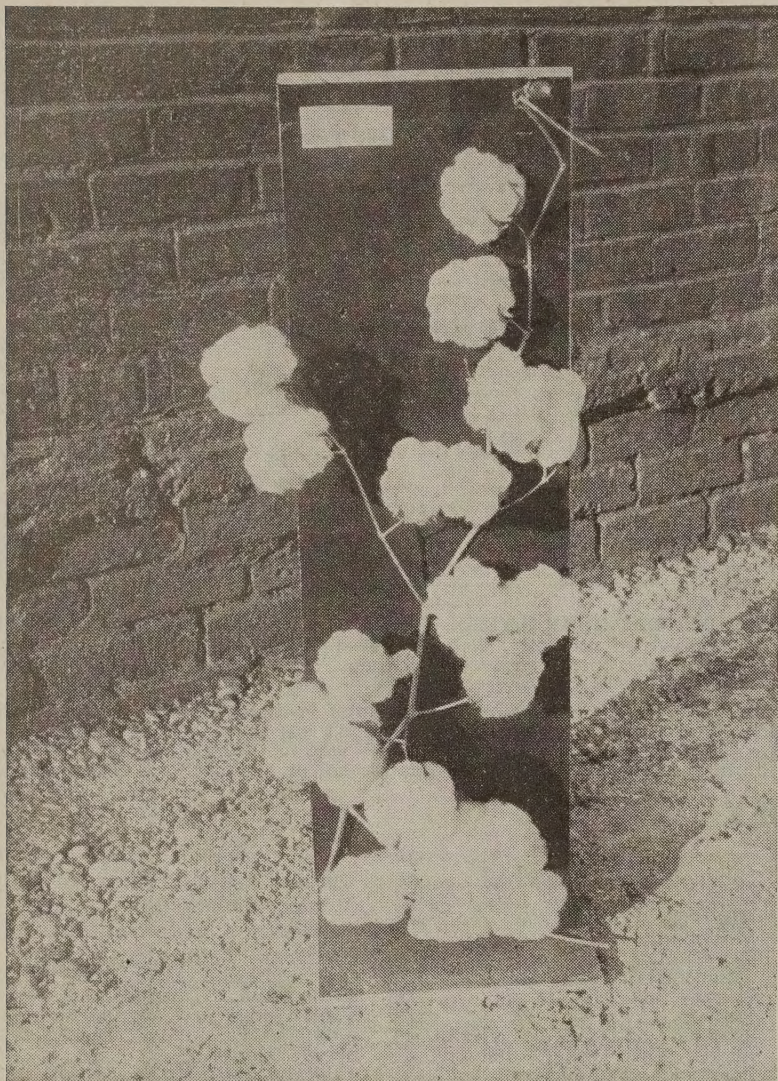
**Why not take advantage of, and benefit by, 30 years of breeding and experimentation?**

Deltapine 14 Cotton, which is the product of more than 30 years' continuous breeding, through hybridization and selection, has now proved its merit in most of the Cotton Belt from the Atlantic Coast to the Rocky Mountains.

Mr. Early C. Ewing, a geneticist and agronomist of outstanding ability, has directed the Delta and Pine Land Company's work in plant breeding since creation of this department of their operation in 1915. Mr. Ewing's objective is, and has always been, to get the best possible cotton of whatever description, that which proves most profitable and satisfactory. Their operations are based on production of one variety of cotton primarily for lint, with planting seed as a secondary consideration. Their experience in cotton production, the results of experiment station tests, and their marketing experience have convinced them that the most satisfactory type for them to grow at present and in the immediate future is a highly productive variety of good fiber qualities having a staple length of around 11/16 to 11/8 inches. Their experience and investigations indicate that the Deltapine 14 variety, which conforms closely to the above description, is at present the most advantageous variety for them.

The generally favorable results obtained throughout a large part of the Cotton Belt with this variety indicate that it is suitable for a wide range of territory. Evidently the cotton that is best for them is also the best for a great many other farmers. Their present efforts, therefore, are devoted to the development of a still better cotton through hybridization and selection.

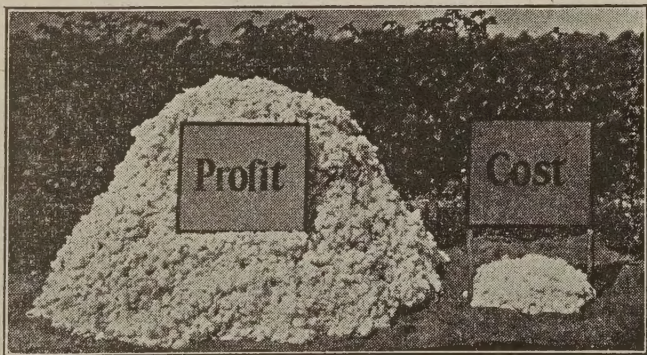
For stand insurance their planting seed are disinfected with Ceresan. This treatment protects against disease and cold weather. Careful experiments made here over a number of years show that normally with early planted cotton they have from 25% to 50% more plants at thinning time from treated than from untreated seed. Whether from a continued seed disinfection or from varietal resistance or both, their crops are practically free from pink boll rot, or anthracnose. When their fields are examined each season by inspectors of the State Plant Board prior to certification they report no anthracnose or only a trace. There are indications that if Ceresan treated seed become wet they are damaged, even if dried out promptly, more than untreated seed would be. This is stated as a precaution in handling and storing Ceresan Treated seed.



A LIMB FROM A STALK OF DELTAPINE 14 COTTON

### DUSTING COTTON BLOSSOMS WITH "STALEYMONS"

Dusting cotton blossoms with "Staleymone" in order to retard the drop of blossoms and to increase fertility is one of the most profitable uses to which "Staleymone" can be put. The "Staleymone" may be applied with the usual dusting equipment used to apply sulphur or other insecticides. The application of "Staleymone" to Cotton Seed before planting is also recommended. Write for descriptive folder. Prices F. O. B. Memphis, 5 lbs., \$2.60; 25 lbs., \$5.30; 100 lbs., \$16.10.



### Treat Your Cotton Seed with Ceresan WE WILL ARRANGE IT FOR YOU

If you are too busy, we will get it done for you, quickly and reasonably, and cull your seed at the same time. The culls would not grow good stalks anyway but will bring almost enough at oil mills to pay for cost of treating your seed. This is the Biggest Boost you can give your Cotton Crop.

Write us NOW how many seed you will want treated (it must be 5 tons or more), and we will name price. If you have a small quantity of seed to treat you can handle them yourself. Write for full directions on how to make a Rotary Treater for disinfecting seeds.

## CERESAN

### HELPS COTTON GROWERS CUT DISEASE LOSSES

Cotton growers know that poor stands reduce yields and profits, and often mean replanting. You can increase your profits 10 to 20% by obtaining full stands of healthy plants.

#### HOW CERESAN HELPS

**REDUCES SEED DECAY AND DAMPING-OFF**—Ceresan, an organic mercury dry disinfectant, is applied to the cotton seed before planting. It helps protect seed against decay in cold, wet soil and the young seedlings against damping-off or sore-shin. Ceresan generally insures good stands, and often saves replanting.

**CHECKS CERTAIN SEED-BORNE DISEASES**—Ceresan also reduces the losses in stand caused by certain diseases carried on the surface of the seed, such as anthracnose or pink boll rot, and angular leaf-spot.

**IMPROVES STANDS AND YIELDS**—Experiment station tests prove Ceresan increases stands and yields. In tests by ARKANSAS, Ceresan gave increased emergence of 34%, and an increased yield of 14.5%.

In LOUISIANA, Ceresan gave 15.8% increase in emergence in two years' tests, and 187 pounds increase in yield.

In MISSISSIPPI tests Ceresan increased emergence over the non-treated seed by 19.3% and New Improved Ceresan by 29.3%.

In TEXAS, Ceresan-treated seeds gave increased stands over untreated seeds in all cases.

**EARLIER PLANTING**—Ceresan enables you to plant earlier because it protects the seed from decay and reduces damping-off losses and thus usually assures better stands, also early planting helps get ahead of the boll weevil.

1 pound of 2% Ceresan is enough to treat 5 to 8 bushels planting cotton seed. Postpaid, 1 lb., 85¢; 4 3/4 lbs., \$3.34.



# DELTAPINE 14 COTTON



A FIELD OF DELTAPINE 14 COTTON

## The Crop History of the Deltapine 14 Strain

**CROP OF 1942:** That year the Delta and Pine Land Co. planted this new strain recognized by the Variety Standardization Committee as Deltapine 14. Seed of this strain was offered to the public in the autumn of 1942.

**CROP OF 1943:** That season all of their principal properties were planted with a new stock of Deltapine 14. The origin of this stock is as follows:

In 1938 a large number of individual plant selections were made in the increase block of the strain later designated as Deltapine 14. In 1939 separate progeny rows were planted from each of these plant selections. They were carefully studied in the field and a number of them were eliminated there. Later the samples ginned from each progeny row were analyzed by fibrograph for length and uniformity in the Fiber Laboratory of the University of Tennessee. All of the progeny rows conforming to a standard of length and uniformity were then bulked to form an increase stock. This increase stock of Deltapine 14 was planted in one 8-acre block in 1940. Seed produced there were planted in 1941 as far as they would go. In 1942 their Empire Plantation unit of 1,300 cotton acres was planted exclusively with this stock and in 1943 all of their other plantation units were planted with it and seed from this crop was sold to the public. In three years of testing this selected stock each year outyielded the original stock by more than 3%, which is statistically significant.

**CROP OF 1944:** Going back to 1939 it should be added that several of the Deltapine 14 progeny rows of that season were selected for

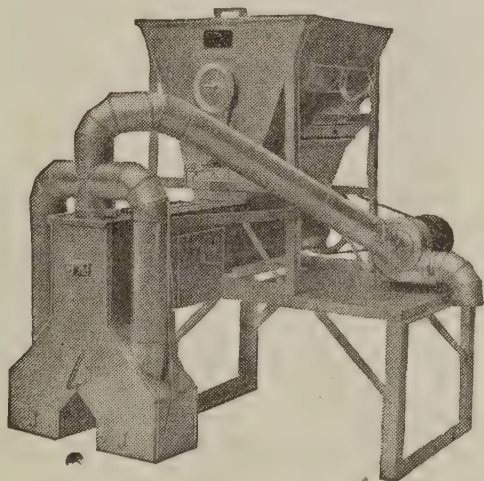
testing in a new strains test of 1940. Several of these strains were selected for increasing in 1941 while being further tested in their variety test and advanced strains test. One of these, No. 833, was finally selected for further increase and was planted in 1942 on a block of 80 to 100 acres. In 1943 this stock was planted on their Empire Unit and in 1944 is being planted on all of the other properties. On its record this strain appears somewhat superior to the original Deltapine 14 in yield, earliness, and in length of staple. It has not outyielded the selected Deltapine stock of 1943, referred to above, but has given definitely better spinning results. While Deltapine 14-833 represents some improvement on the original stocks, it will be introduced commercially as Deltapine 14 in keeping with their policy of not changing strain numbers unless a distinct change in characteristics is obtained through their breeding program.

### PRICES ON DELTAPINE 14 STRAIN

**DELTAPINE 14 (Breeders' Foundation Stock).** Sorry we have none of this seed to offer, as the demand was so great our stocks were sold out early last fall.

**DELTAPINE 14 (State Certified).** Grown from the Breeders' Foundation Stock planted last spring, culled, graded, recleaned, delinted and Ceresan treated with certified tags attached.

Price F.O.B. Memphis, 100 lbs., \$7.00.



The New Gustafson Cotton Seed Treater is designed for the application of Ceresan, Semesan Jr., and other chemical powders for the control of seed-borne plant diseases, to delinted or non-delinted cotton seed, wheat, oats, barley, corn, peas, beans, and other seed.

Write for prices and folder giving specifications and other information.

## COTTON SEED TREATER AND EQUIPMENT

**DUPOR RESPIRATOR NO. 4.** The favorite of users everywhere because it provides economical, low cost protection against smoke and paint spray, free from harmful gases, also light fumes and vapors and all nuisance or ordinary dusts.

Postpaid, each \$1.65. Extra filter pads, 7c each; extra face cloths, 10c each; extra Check Valve Flaps, 4c each.

**DUPOR RESPIRATOR NO. 40.** Approved by U. S. Bureau of Mines only for respiratory protection in atmospheres containing pneumoconiosis producing dusts as free silica and asbestos, or nuisance dusts as aluminum, cellulose, cement, charcoal, coal, coke, flour, gypsum, iron ores, limestone and wood.

Postpaid, each, \$2.50. Extra filters (Type "A"), 30c each; extra face cloths, 10c each; extra filter covers, 6c each; extra check valve flaps, 4c each.

**RUBBER GOGGLES.** The Clear Vision "Nod and Shake" Goggle. Fits anybody—absolutely Gas Tight and the FOGGING OF THE GLASSES IS DONE AWAY WITH, without removing the goggles from the face, greatly increasing the efficiency of the wearer.

Postpaid, Pair, \$1.65.

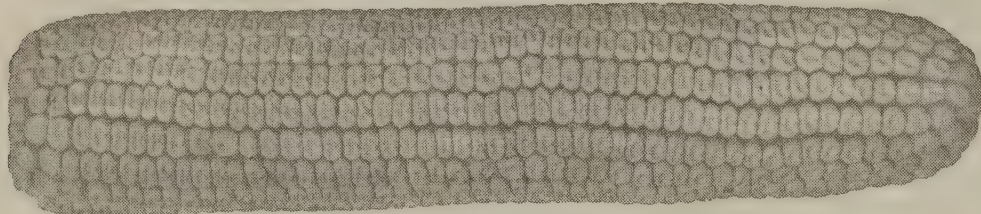


DUPOR RESPIRATOR NO. 4

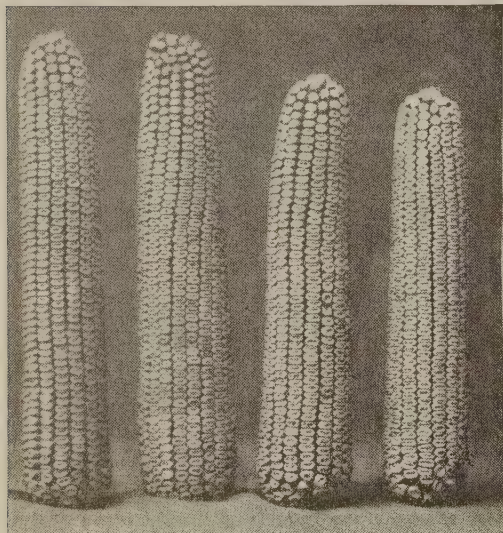


# GROW *Top Notch* SEED CORN--the

When we selected Top Notch brand for our seeds many years ago we had in mind the highest standard of quality, and every year since then we have tried to live up to that brand. The tremendous volume of TOP NOTCH quality seed corn that we sell year after year is ample proof that farmers are pleased with our corns. With corn as with other crops, no one variety has all the best qualities. No one variety is best suited for all soils and conditions. Plant corn best suited to your locality. One gallon of seed corn will plant approximately one acre in 3½ to 4-foot rows.



**TOP NOTCH PAYMASTER**



**TOP NOTCH WHITE DENT**

**TOP NOTCH WHITE DENT.** (100 days.) White grains, slightly dented, medium size white cob, ears good length, well filled. An old standby for late planting.  
Postpaid, pt., 20c; qt., 35c; ½ gal., 60c; gal., \$1.00; pk., \$1.75.

**TOP NOTCH PAYMASTER.** (100-115 days.) We endorse this corn as one of the most satisfactory and heavy yielding corns for southern farms. Bred in Tennessee, its excellence reached the point where 75 per cent of all the corn planted in the state of Tennessee is reported to be Paymaster. Paymaster is now planted all over the South. White grain, cob bright red; mostly 2 ears to stalk, ears well filled to end. A tall variety making good ensilage.  
Postpaid, pt., 20c; qt., 35c; ½ gal., 60c; gal., \$1.00; pk., \$1.75.

**TOP NOTCH EARLY SURPRISE.** (85 days.) This splendid early corn is already well-known. You can plant it early and gather it early. Dependable because it matures before the summer droughts. The white grains are medium size. Ears snow-white, about 8 inches long. The grains are set on a medium white cob; stalks medium tall and average two good ears.  
Postpaid, pt., 25c; qt., 45c; ½ gal., 80c; gal., \$1.40; pk., \$2.50.

**TOP NOTCH TRUCKER'S FAVORITE.** (85 days.) Ears 8 inches long, even rowed, tender and of fine quality, usually produces two good ears to each stalk. An excellent variety for field culture or for late planting to use as a garden crop.  
Postpaid, pt., 25c; qt., 45c; ½ gal., 80c; gal., \$1.40; pk., \$2.50.

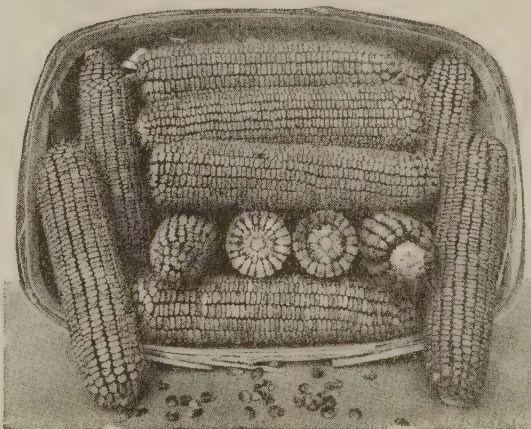
## CROTOX

Crotox insures seeds against attacks of crows, doves, blackbirds, larks, pheasants, starlings and other seed pulling birds and rodents, such as moles, squirrels, woodchucks, during the germinating and rooting period.

½-pint can, treats 1 bushel of seed corn.  
Postpaid, ½ pt., 70c; 1 pt., \$1.10; 1 qt., \$1.65.

**TOP NOTCH HICKORY KING.** (120 days.) The white grain is so wide and deep, and the cob so small that often a single grain will cover the end of a broken cob. It has been called the Poor Man's Corn because it can be depended upon to produce a crop on poor, thin land. On good land it bears two ears to the stalk.  
Postpaid, pt., 25c; qt., 40c; ½ gal., 65c; gal., \$1.10; pk., \$1.95.

**TOP NOTCH MOSBY'S PROLIFIC.** (110-120 days.) The stalks are tall, bearing 2 to 5 fine ears. The grains are long, set close to a small white cob, very uniform in shape, well filled. Another feature is its abundant foliage, which renders it superior to most sorts for ensilage purposes.  
Postpaid, pt., 20c; qt., 35c; ½ gal., 60c; gal., \$1.00; pk., \$1.75.



**TOP NOTCH YELLOW DENT**

**TOP NOTCH EARLY YELLOW DENT.** (90 days.) Yellow grains, medium size red cob, ears good length. One of the popular varieties, for late planting particularly.  
Postpaid, pt., 20c; qt., 35c; ½ gal., 60c; gal., \$1.00; pk., \$1.75.

**TOP NOTCH TENNESSEE WHITE RED COB.** (120 days.) An extra large field corn; grains long, white, broad and evenly lined on large red cob. The ears of this sort will run from 9 to 12 inches long and have from 18 to 20 rows. The stalks grow from 8 to 12 feet high, are broad, strong and short-jointed. It makes one of our best ensilage corns.  
Postpaid, pt., 20c; qt., 35c; ½ gal., 60c; gal., \$1.00; pk., \$1.75.

## POP CORN FOR PLANTING

**AUSTRALIAN DYNAMITE or T. N. T.** (Yellow.) (120 days.) Produces large yellow kernels, pops large, crisp and tender, flavor excellent. Vigorous, tall growing, produces 2 to 3 ears to a stalk, 6 to 9 inches long.  
Postpaid, pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs. 70c; 5 lbs., \$1.50; 10 lbs., \$2.75.

**BABY RICE.** (White.) (120 days.) This is a dwarf growing, heavy yielding variety; the ears are thick in proportion to their length. The kernels resemble the best white rice and pop larger and without hull. The flavor is excellent. Fine for home use.  
Postpaid, pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs. 70c; 5 lbs., \$1.50; 10 lbs., \$2.75.

**TOP NOTCH JARVIS GOLDEN PROLIFIC.** (110-120 days.) A native southern yellow corn, carefully bred, and one that bears two good ears to the stalk. The stalk is rather dwarf, 6 to 8 feet high, and does not fall down in stormy weather. Grains are bright golden yellow; ears are firm and solid, about 7 to 10 inches long. The grain is medium in size. This is a very productive and desirable variety, and is drought resistant.

Postpaid, pt., 20c; qt., 35c; ½ gal., 60c; gal., \$1.00; pk., \$1.75.

**TOP NOTCH HASTINGS' PROLIFIC.** (120-130 days.) It will make 2 ears to the stalk on average land, and if planted 24 to 30 inches apart in the row on good strong land, 4 to 6 ears to the stalk can be had. The ears are well filled at both ends; the cob is small; the shuck is heavy and covers the ear tightly, protecting it from birds and insects.

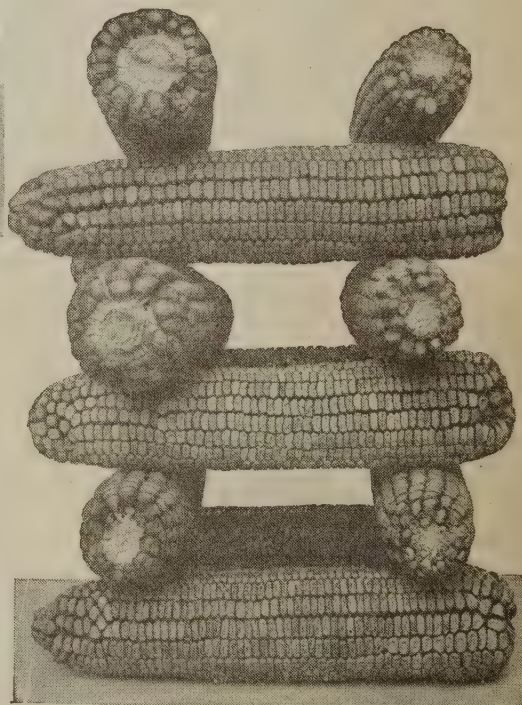
Postpaid, pt., 20c; qt., 35c; ½ gal., 60c; gal., \$1.00; pk., \$1.75.

**TOP NOTCH LEAMING YELLOW.** (90-100 days.) Ears 8½ to 9½ inches long, usually 14 to 16 rows of well-dented grains; grows a stalk 7 to 10 feet high. Among its excellent qualities are the grains, which are very narrow and deep, of a bright golden yellow color and are medium hard, not at all flinty, just hard enough to stand the rainy weather conditions to keep ears from rotting.

Postpaid, pt., 20c; qt., 35c; ½ gal., 60c; gal., \$1.00; pk., \$1.75.

**TOP NOTCH MEXICAN JUNE.** (90 days.) Stalks are usually short, although early plantings make stalks 12 to 15 feet high, leaves 4 to 5 feet long. The roots run deep and spread so that it is a splendid drought resister. Ears from 8 to 9 inches long, grains short to medium, cobs medium in size, and while usually white, occasionally you'll find a red cob with white and some blue grains.

Postpaid, pt., 25c; qt., 40c; ½ gal., 65c; gal., \$1.10; pk., \$1.95.



**TOP NOTCH MOSBY'S PROLIFIC**

## SEMESAN JR.

Seed treated with New Improved Semesan Jr. is protected against many seedling diseases and seed decay which cause missing hills and hills with only one stalk. Fifty-one farm demonstrations in the Corn Belt showed that New Improved Semesan Jr. increased stands by 5% to 15%.

1½ oz. size, enough to treat 1 bushel of seed corn. Postpaid, each, 18c.



# Very Highest STANDARD QUALITY

## 5 Important Reasons on Why to Plant Hybrid Corns

1. **GREATER YIELD**—Hybrid Corns usually yield more bushels of corn per acre ever open pollinated corns, year in and year out, wherever they are planted.
2. **EASIER HARVESTING** — The uniform height of the ears of most Hybrid Corns makes them twice as easily harvested. No stooping, no scraping in the mud is required. There are virtually no down stalks, and the ears are all of the same level.
3. **STIFFER STALKS**—When hard winds lay other corns flat, most Hybrid Corns stand firm and erect. The stalks are so much stiffer, the roots so much deeper that the problem of twisted and down corn is virtually eliminated.
4. **DEEPER ROOTS**—The roots of some Hybrid Corns have been known to go down eight feet. When drouth strikes they dig down for moisture and produce a crop where other corns fail. In normal years these deeper roots tap a supply of food that ordinary corns never reach.
5. **A SURE CROP**—It costs less than \$2.00 per acre to plant our Hybrid Corns. For that nominal cost you get more bushels of corn per acre plus protection against wind, drouth, disease and pests plus uniform ears of a distinct quality.



HYBRID CORN



OPEN-POLLINATED CORN

THESE PICTURES DEMONSTRATE THE DIFFERENCE IN STANDING ABILITY BETWEEN HYBRID AND OPEN-POLLINATED CORNS

## GROW CORN BELT CROPS WITH HYBRID CORN

### TENNESSEE PAYMASTER HYBRIDS NOS. 10, 14, 15

The University of Tennessee Agricultural Experiment Station has been working on Paymaster Hybrids for a number of years and experiment station tests have shown them to be exceptionally good. These hybrids are made by combining inbreds from the high yielding prolific open pollinated variety Neal Paymaster. Thus they are all more or less similar to Neal Paymaster in having white grain, red cob, prolificacy, and high shelling per cent. These hybrids are more uniform and lower eared than Neal Paymaster. The difference in yielding ability of these three hybrids is small and may be considered non-significant at the present. However, further testing will give additional information as to the relative merits of each of these hybrids.

Postpaid, pt., 35c; qt., 55c; 1/2 gal., 95c; gal., \$1.65; pk., \$3.00.

### NATIONAL YELLOW HYBRID NO. 125

The climax of a ten-year search for dual-purpose hybrid for both feeding and grain. Reid's Yellow Dent type kernel, soft textured enough to suit the most particular feeder, yet it has the excellent quality and high weight per bushel the grain farmer prefers. It has a beautiful plant with glossy dark green leaves. Resistant to hot winds and drought. Its stiff stalk and excellent root system give it a remarkable resistance to straw breaking and lodging. Under normal conditions ear is approximately 9 to 11 inches long and cylindrical in shape. Picks easy by hand or machine. Plant grows about 9 feet tall and is very dark green in color. It has an outstanding yield test record from Oregon to New Jersey. Adapted to central corn belt.

Postpaid, pt., 35c; qt., 55c; 1/2 gal., 95c; gal., \$1.65; pk., \$3.00.



### ACME CORN PLANTERS

**No. 311.** (One Hand.) Plants corn or beans. Operates automatically, easily and accurately. Adjustable for desired number of kernels. Also equipped with adjustable depth gauge.

Postpaid, each, \$2.95.

**No. 306.** (Two Hand.) A hand corn planter that plants up to six acres per day. Operates automatically, easily and accurately.

Postpaid, each, \$1.90.

No. 311

TOP  
NOTCH

## ALFALFA Ranks High

- More Pasture . . .
- More Green Foliage . . .
- More Hay Per Acre . . .

### HOW " " WHEN

#### How Much to Plant

It is a pity that alfalfa won't grow on all soils for it furnishes more green forage, more pasture, and more dry hay per acre than any known variety of hay or grass. Alfalfa is really an aristocratic plant, for it must have a fertile, well-drained soil with some lime, phosphate and good inoculation.

Alfalfa will not grow on acid soil. Sow on good loam or clay or medium sandy soils, provided they are well drained to a depth of at least 4 feet. Avoid soil with a "hard-pan" close to the surface, for it prevents drainage. Avoid low spots where water stagnates or freezes—alfalfa cannot stand "wet feet." Sow on a bed free of weeds—if possible, sow on land which has been in some cultivated crop. Plow previous fall if possible, or at least several weeks in advance of seeding. Then disc and harrow frequently to set the seed bed—a firm seed bed is desirable as it conserves moisture.

Plant in March and April, September and October. May be sown with a grain drill with seeder attachment, with a special alfalfa drill, a wheelbarrow seeder or a hand seeder. Should be covered to bring it in contact with soil moisture. Sow 20 to 25 pounds of seed per acre. Many of the most successful growers sow 30 to 35 pounds.

### TOP NOTCH OKLAHOMA

The state of Oklahoma has a very varying climate—extreme cold in winter and intense heat in summer. Heavy rainfall is not uncommon and extreme drouth is experienced almost annually. Because the plants are subjected to such weather adversities they are extremely hardy. For these reasons Oklahoma seed has proven perfectly adapted to this area, and since it affords three to five abundant cuttings a year it is rapidly replacing seed from other sources.

Postpaid, lb., 75c; 5 lbs., \$3.15.

### TOP NOTCH KANSAS

Kansas is the next state north of Oklahoma and weather conditions under which Kansas Alfalfa is grown are the same or harder than Oklahoma Alfalfa faces—very cold winters and hot, dry summers. Kansas Alfalfa is favorably known all over the United States.

Postpaid, lb., 80c; 5 lbs., \$3.25.

### TOP NOTCH ARGENTINE

Argentine Alfalfa is imported from South America and has proven entirely adapted to the South, producing heavy yields consistently and withstanding the adversities of our southern climate unusually well. It grows rapidly affording 2 to 4 cuttings per year and resists being crowded out by grass and weeds as well as native grown seed. Ten per cent of these seed are stained red to comply with Federal law.

Postpaid, lb., 50c; 5 lbs., \$2.25.

### ALFALFA MAKES AN EXCELLENT PASTURE

#### INOCULATE THE SEED BY ALL MEANS

Field tests have shown that better crops are harvested when Legume seeds are inoculated even when planted on fields where inoculated seeds of the same Legume crops had grown the previous year. Use NITRAGIN, the oldest and most widely used inoculator in America.

Postpaid, 1 bu. size for alfalfa, 50c.

See Green Ink List

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RUSSELL-HECKLE



# Build Your Soil With CLOVER

There is a clover for most all types of soil and conditions. Select the type your soil needs. For instance, Alsike does best on low, moist soils. Red does best on rolling well-drained soil. Both require lime. On other hand, Burr Clover will grow nicely without lime. There's a clover that fits in with your requirements that will prove profitable in your farming operations. Sometimes as a hay crop, sometimes for pasture purposes, and ALWAYS as a soil builder. Every southern farm should have some kind of clover crop growing each year. This is nature's method of soil rejuvenation—the road to profitable farming.

## INOCULATE THE SEED BY ALL MEANS

Field tests have shown that better crops are harvested when Legume seeds are inoculated even when planted on fields where inoculated seeds of the same Legume crops had grown the previous year. Use NITRAGIN—the oldest and most widely used inoculator in America.

Postpaid, 1 bu. size for clover, 50c.



THERE IS A CLOVER FOR MOST ALL TYPES OF SOIL AND CONDITIONS

## TOP NOTCH CLOVERS *It pays to plant PURE SEED!*

### RED CLOVER

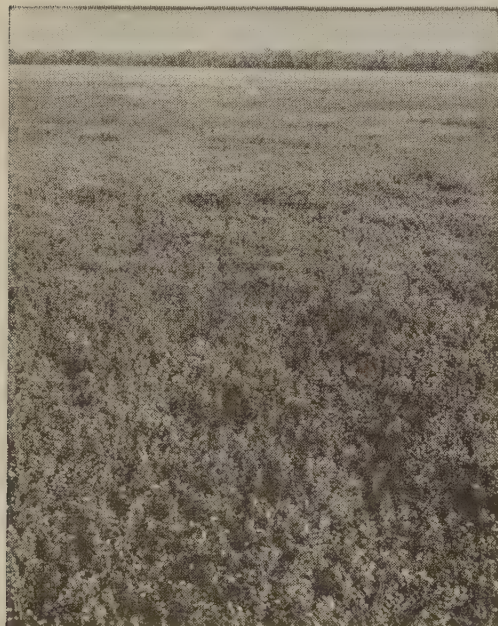
Thrives on any well drained soil, reasonably fertile, containing lime, anywhere in the South. Yields 1 to 2 cuttings of hay; feeding value next to Alfalfa. As a soil builder Red Clover is equal to any. Sow in March, April, September and October. Prepare the seed bed thoroughly, discing and harrowing. Being a biennial, it must be allowed to make seed the second fall, else it will disappear. Sow 6 to 10 lbs. per acre.

Postpaid, 1b., 70c; 5 lbs., \$3.00.

### ALSIKE CLOVER

Alsike has about the same length of life as Red Clover and is less subject to disease. It requires less lime than Red Clover and is exceptionally adapted to moisture or wet soils. The hay is of superior quality and fits in well in all pastures with Red Top, Orchard and other grasses. It is very resistant to cold weather, rarely winter killing. Alsike does well in shady places, something to be remembered. Sow 6 to 8 pounds per acre.

Postpaid, 1b., 70c; 5 lbs., \$3.00.



PERSIAN CLOVER

### WHITE SWEET CLOVER

Good for forage pasture and soil improvement—will grow on almost any southern soil (even very sandy soils) that contain lime, thriving on land too poor to grow red clover or alfalfa. Resembles alfalfa when young but grows much larger, almost same rank in feeding value, both as hay and green foliage. Stock seldom relish it at first, but when forced to eat it, soon develop a decided preference for it. Cut it before it reaches the blossom stage—too woody after that. Being a biennial, will disappear unless allowed to make seed second fall. Sow 15 to 25 pounds per acre.

Postpaid, 1b., 35c; 5 lbs., \$1.50.

### WHITE DUTCH CLOVER

**FOR PASTURE.** One of the most palatable and nutritious of all pasture plants. Does best on lime soils but grows with very little lime present. Splendid in connection with Bermuda and Lespedeza, does not cause bloating, high in protein, thrives under trampling, comes out early in the spring without interfering with other grasses. Sow 4 to 6 pounds per acre.

Postpaid, 1b., \$1.25; 5 lbs., \$5.75.

**FOR LAWNS.** White Dutch Clover is used extensively to supplement various lawn grasses and mixtures in making heaviest green turf to last for many years and to stand rough treatment. One pound will sow 40 x 25, or 1,000 square feet.

Postpaid, 1b., \$1.25; 5 lbs., \$5.75.

### CRIMSON CLOVER

Furnishes splendid cold weather pasture and is a splendid soil builder. It is adaptable to a wide variety of soils. Lime helps it but its lime requirement is low compared to Red Clover. Basic Slag containing Phosphoric Acid is a splendid help as it is to all pastures. Sow August, September, October, 12 to 18 lbs. of seed per acre, cover the seed lightly. Moisture is also important in getting the seed up. Crimson is fine in a mixture with Rye grass, Rye or other cereals. It can be sown to advantage on a Bermuda sod—not over two inches high but we think sown on prepared land is the best method.

Prices quoted in August.

### DEMAND

That your seed dealer furnish you an authentic germination and purity test on all field seeds. If he can't do it, don't buy them.

### PERSIAN CLOVER

Furnishes splendid grazing from early spring until June. Yields 2 to 3 tons of rich, palatable hay per acre. Cures very quickly. An excellent soil builder. Reseeds itself even when closely grazed and spreads rapidly. Grows well in mixtures, and is often planted with White Dutch, Bermuda and Dallis Grass. It has a deeper root system than White Dutch and requires less moisture for its success. It grows equally well on clay or loamy soils, other conditions being favorable. Sow 6 to 8 pounds per acre.

Postpaid, 1 lb., \$1.00; 5 lbs., \$4.50.

### LADINO WHITE CLOVER

Sow it for a year 'round pasture. U. S. Department of Agriculture says: "Ladino is the largest growing form of white clover. It is similar to White Dutch, but grows twice as large." It is a long lived perennial, excellent for grazing, as well as producing a most nutritious and palatable hay crop. The stems run on the ground, taking root. It is not subject to alfalfa diseases and is ideal to plant after alfalfa. It does not bloat livestock as much as other clovers, but is safer to plant with paspalum, timothy, red top, meadow fescue, Kentucky blue, orchard, carpet and rye grass.

Postpaid, 1 lb., \$3.00; 3 lbs., \$8.85; 5 lbs., \$14.50.

### EARLY GIANT SOUTHERN BURR CLOVER

Does best on sandy loam, and poorest on heavy black buckshot. Sow July, August, September, October, 30 to 50 pounds of seed in the burr per acre, preferably in cotton middles. Can be pastured all winter and spring, or turned under in March. Will volunteer each fall for three years, then turn under again fourth year. One of the finest soil builders known.

Prices quoted in August.

### HOP CLOVER (YELLOW)

This is probably the earliest clover out in the spring and lasts until midsummer when Bermuda grass and lespedeza take up the job of furnishing pasturage. It grows about 6 to 8 inches high and seems to thrive best of all on clays and loams that are not constantly wet, very valuable in all pastures, combines well with other crops. Sow 1 to 3 lbs. per acre in your pasture mixture.

Postpaid, 1b., \$1.00; 5 lbs., \$4.50.



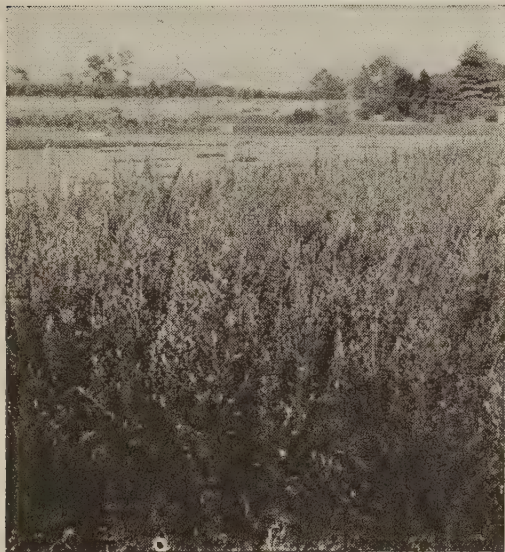
# Plant TOP NOTCH LESPEDEZA

## SERICEA

### "THE PERENNIAL LESPEDEZA"

Once planted, it comes back each spring from the crowns like alfalfa, and is often called "The Poor Land Alfalfa." All other lespedeza varieties must be reseeded or allowed to drop their seed each year. Sericea has an enormous root system, penetrating often four feet into the soil, with a perfect mat of smaller roots spreading everywhere—you can see what this means as a positive cure for soil erosion. The enormous root system is loaded with nodules of nitrogen, adding immensely to soil fertility provided you inoculate when seeding. Sericea will grow apparently anywhere in the South on almost any type of soil (except Mississippi Delta buckshot) without liming or any kind of treatment. Plant only hulled and scarified seed in April or May, after danger of frost is past. This treatment of the seed brings quick germination. If you plant unhulled seed in the spring you won't get 10 per cent germination, so avoid this. For seed crop, plant 4 pounds scarified seed per acre in 2½ ft. rows. For hay, sow 20 pounds of scarified seed per acre. Have your seed bed free of weeds, thoroughly plowed, disced and harrowed, cover seed very lightly—you can use a light roller to advantage, firming the soil to conserve moisture.

Postpaid, 1 lb., 60c; 5 lbs., \$2.50; 10 lbs., \$4.50.



SERICEA, "The Perennial Lespedeza"



LESPEDEZA IS EXCELLENT FOR HAY, PASTURE AND SOIL IMPROVEMENT

## Choose One of These Three Varieties

### WHEN AND HOW TO PLANT

Lespedeza grows anywhere in the South. It is the only clover we know of that will grow on acid soils, but it does respond to lime. It grows on worn-out gravelly hillsides, and waste lands where nothing else of value will grow. Naturally, it produces better results on better soils, except on black buckshot in the delta sections—do not plant it there, for it will fail. Sow 25 lbs. per acre in February, March and April. Inoculate before planting with NITRAGIN inoculation.

### COMMON LESPEDEZA

Common Lespedeza will grow year after year on hard, compact, uncultivated soil, it will respond in a marked degree to proper preparation. When sowing Lespedeza in a pasture mixture, it is best to sow Common, since it withstands more adversity and closer grazing than any other.

Postpaid, 1 lb., 60c; 5 lbs., \$2.50; 10 lbs., \$4.50.

### INOCULATE THE SEED BY ALL MEANS

Field tests have shown that better crops are harvested when Legume seeds are inoculated even when planted on fields where inoculated seeds of the same Legume crops had grown the previous year. Use NITRAGIN—the oldest and most widely used inoculator in America.

Small size (inoculates up to 100 lbs. of Lespedeza seed). Postpaid, each, 50c.

### KOREAN LESPEDEZA

Korean is the earliest of the annual Lespedezas, coming up first and growing rapidly, therefore giving earliest grazing of any Lespedeza. Grows taller than Common, larger plant and coarser, with broader leaflets. Korean matures earlier than other Lespedezas, seed beginning to ripen in September. The only variety suitable for northern half of the United States. Korean is fine in combination with grain for it will drop seed before time to break the ground to sow grain in the fall. Korean is fine in pasture combinations, and an abundant hay yielder.

Postpaid, 1 lb., 25c; 5 lbs., \$1.00; 10 lbs., \$1.75.

### KOBE LESPEDEZA

Kobe has certainly earned a home for itself on southern farms, particularly where long periods of drought occurred, for Kobe came through these droughts where Common Lespedeza was burned out. This drought resistance is a lifesaver to a farmer, and is no doubt due to the very extensive root system and its rank growth, with larger than ordinary leaves. We have seen Kobe 38 inches tall, but usually it is 2 to 2½ feet tall. We have seen yields of 4 tons per acre with Kobe. It is excellent for hay and pasture alike. Can be sown with oats, also with orchard grass and red top or herd's grass.

Postpaid, 1 lb., 45c; 5 lbs., \$1.75; 10 lbs., \$3.25.

## BASIC SLAG

### The Soil Conditioner and Builder

In either making or improving a pasture, it is necessary to use a soil builder, conditioner or fertilizer to secure the most profitable results. Pasture soils deficient in the necessary food or minerals produce grazing low in the elements that build body tissue, beef, and increase the production of milk.

A pasture may produce an abundance of grass and yet the stock will not thrive. This is usually because the grass is lacking in calcium, phosphoric acid and other minerals. Agricultural authorities and southern farmers have found that an easy way to have a thick, healthy pasture grass rich in many minerals, is to use U. S. S. Tennessee Basic Slag.

Stock raisers all over the South are rapidly realizing the importance of Basic Slag for making pastures to produce quality beef quickly, increase milk production, and reduce feed bills.

For prices see Green Ink Price List.

### 3 REASONS WHY TO USE BASIC SLAG

- (1) Adds calcium, phosphoric acid and other minerals to the soil.
- (2) These elements, necessary for healthy, profitable stock, are present in a readily available and lasting form.
- (3) Increases growth of pasture and lengthens the grazing season.



CATTLE GRAZING ON EXCELLENT PASTURE MADE WITH TENNESSEE BASIC SLAG

See Green Ink List

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RUSSELL-HECKLE



# SOW TOP NOTCH GRASS

## HOW . . . WHEN . . . WHERE TO PLANT

In planting grass seed the land should first be thoroughly cultivated and pulverized. The seed may then be scattered by hand or with a hand-seeder, such as described in this catalog. A harrow or rake should then be used, which will mix the seeds with the soil so they will be covered about one-quarter inch deep. If not convenient to sprinkle, the planting should be done when there is a good season in the ground, and land rolled or dragged after harrowing. This will pack the soil so the moisture will be saved from evaporation and thus cause the seed to germinate, and to nurture the grass until it establishes a good root system.



KENTUCKY BLUE GRASS

### KENTUCKY BLUE GRASS

**FOR PASTURE.** Unless the soil contains lots of lime it will not give best results. When Basic Slag is applied the growth is very much improved. Sow in February, March and April, September and October on fertile soil. It does well in combination with other pasture grasses. Sow 20 to 30 pounds per acre.

Postpaid, 1 lb., 65c; 5 lbs., \$3.00; 10 lbs., \$5.50.

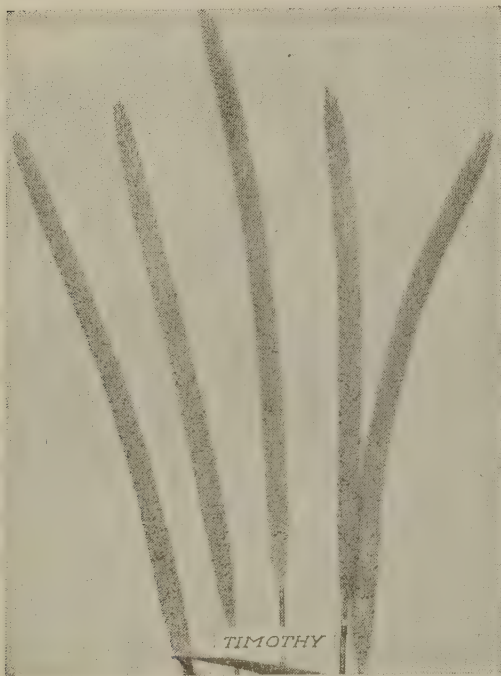
**FOR LAWNS.** Adapted to shady locations. Does best in a rich alkaline soil. Satisfactory results should be obtained by preparing the soil in advance, working in an abundance of crushed limestone and bone meal fertilizer. One pound will sow 20 x 20 or 400 square feet.

Postpaid, 1 lb., 65c; 5 lbs., \$3.00; 10 lbs., \$5.50.

### TIMOTHY

A short-lived perennial, usually lasts 3 to 5 years, as the root system is rather shallow, it thrives best on rich, moist bottom lands, and on heavier types of soil—poorly on thin or sandy soils. Prefers sweet soil but does not form a sod. Won't stand close pasturing but is very palatable and will not injure stock no matter how much is eaten. Yields 1½ to 3 tons of hay. Sow spring or fall, 15 pounds alone or 10 pounds Timothy and 5 pounds Alsike or 6 pounds Red Clover. A well worked seed bed rolled before and after seeding is desirable, increasing supply of moisture.

Postpaid, 1 lb., 30c; 5 lbs., \$1.00.



TIMOTHY

### ORCHARD GRASS

One of the best and most durable pasture grasses, up early in the spring and lasting until late fall. Grows on almost any well drained soil but not recommended for very poor worn soils. On moist but well drained fertile lowland, especially if well supplied with lime, will produce a heavy hay crop, as well as large amount of pasture. Cut for hay in early bloom stage—if delayed too long the hay will be woody and not palatable. Sow 14 pounds of seed per acre in spring or fall on ground prepared by thorough but not too deep discing. Rolling the seed in is helpful.

Postpaid, 1 lb., 65c; 5 lbs., \$3.00; 10 lbs., \$5.50.

### CARPET GRASS

Grows abundantly all over the lower South from southern Virginia to Texas, extending inland to Arkansas, northern Alabama, etc. We find it growing in Memphis territory. Carpet is a perennial creeping grass, forming a dense, close turf, especially adapted to sandy or sandy loam soils, particularly where the moisture is near the surface most of the year. Stands lots of grazing and heavy trampling—heavy grazing is recommended, likes warmth and moisture. Cattle like the brown grass even after frost. Has carrying capacity equal to blue grass. Over much of the area in which it grows, Carpet Grass is more valuable than any other perennial grass yet known for permanent pastures. Lespedeza grows fine with it. Sow 10 to 15 lbs. of seed per acre alone.

Postpaid, 1 lb., 65c; 5 lbs., \$3.00; 10 lbs., \$5.50.

### DALLIS GRASS

A perennial—once started it grows rapidly, and when well sodded it gives more grazing than any other grass we know, choking out objectionable weeds. Close grazing is really recommended. Stock prefer it and fatten on it, comes out early in spring, is highly heat and drouth resistant and persists until late fall. Makes fastest growth on heavy, moist soils, but gives fairly satisfactory results on hill lands. Mixes well with Lespedeza, Bermuda, Hop Clover, etc. Sow 10 to 15 pounds seeds per acre, early spring or fall. The imported seed are preferable, having much higher purity and germination than native grown Dallis grass.

Postpaid, 1 lb., \$1.00; 5 lbs., \$4.50; 10 lbs., \$8.75.

### RED TOP OR HERD'S GRASS

This grass makes excellent pasturage and a good crop of fine quality hay, and succeeds on a greater variety of soils than any other in general use. The place for Red Top is on rather moist soil, deficient in lime and fertility. It will grow where the soil is too poor for timothy and Kentucky blue grass, and once established thickens and improves year after year. It is a good variety to sow with timothy and clover for meadow or pasture and is more permanent than either of the other two. It has been grown successfully even on alkali land where other grasses failed. It requires about 8 to 10 pounds to seed an acre of the fancy clean seed. It can be sown either in the spring or fall. Thrives all over the country.

Postpaid, 1 lb., 45c; 5 lbs., \$1.75; 10 lbs., \$3.25.

### SPECIAL "SEMESAN"

The efficiency of Special "Semesan" in the control of brown patch and dollar spot is recognized by many state experiment stations, hundreds of greenskeepers and home owners. Effective in preventing or controlling both brown patch and dollar spot. Usually provides wide margin of safety with little danger of yellowing or thinning turf when applied as directed. One pound treats up to 6,000 square feet. Postpaid, 8 oz., \$1.10; 6 lbs., \$9.55.



HAVE A BEAUTIFUL LAWN

#### HOW TO MAKE A LAWN

Spade or plow ground to a depth of eight inches. Afterwards harrow or rake carefully, pulverize all lumps. If the soil is poor, fertilize freely, working into the soil, then rake level and roll the soil well to make a solid bottom. Scatter the seed evenly over the surface. Rake seed in and roll, water regularly and carefully. Should bare spots appear, rake the surface and sow more seed.

### MIXED LAWN GRASSES

**EVERGREEN.** Our Evergreen Lawn Grass is a mixture of grasses that are adapted to lawn making, and contains none of the coarse grasses nor those that grow in tufts or clumps. No one grass makes an ideal lawn grass, so we have put into our Evergreen a well-balanced mixture of grasses that are at their best during different months of the year and will give a beautiful green growth. One pound will sow 20 x 20 or 400 square feet.

Postpaid, 1 lb., 55c; 5 lbs., \$2.50; 10 lbs., \$4.50.

**SHADY SPOT.** A mixture of grasses that are especially adapted to the shade. We have used great care in the selection of the grasses that go into this mixture and feel certain that with proper planting and attention, good results will be obtained. An alkaline soil rich in humus and plenty of moisture is required to successfully grow grass in the shade. One pound will sow 20 x 20 or 400 square feet.

Postpaid, 1 lb., 55c; 5 lbs., \$2.50; 10 lbs., \$4.50.

**SUNNY SOUTH.** A mixture of Evergreen Lawn grass and Bermuda grass, especially adapted for open and sunny situations. It will stand hot weather and with frequent watering will make a beautiful green summer lawn. Cut the grass weekly, which will cause it to stool and grow off to a solid turf. If weather is dry, water well for good germination. One pound will sow 20 x 20 or 400 square feet.

Postpaid, 1 lb., 75c; 5 lbs., \$3.50; 10 lbs., \$6.50.

## Your Lawn Needs Food!

That beautiful thick lawn you admire is made up of millions of tiny, individual grass plants. They're living things that require 11 food elements from the soil for beautiful, thriving growth.

## VIGORO

1-lb. pkg., postpaid.....	\$ .20
5-lb. pkg., postpaid.....	.65
10-lb. pkg., postpaid.....	1.15
25-lb. pkg., postpaid.....	1.85



# SEED -- for Lawn, Pasture and Hay

## SUDAN GRASS

Sudan is strictly an annual and must be planted over each spring. It is the quickest growing and best summer pasture yet developed—good right up until frost. Sudan is a warm weather crop—wait until April 15 in latitude of central Mississippi and get first cutting of hay in 60 to 70 days. It does not require lime. It grows best on a rich loam but has been grown successfully on almost every class of soil from a heavy clay to a light sand. You can sow 25 pounds per acre broadcast with good results, but on rich land planters tell us it is foolish to sow less than 40 pounds, even 50 per acre, when an amazing growth results, of very fine stemmed succulent plants, much more palatable to the stock.

Postpaid, 1 lb., 25c; 5 lbs., \$1.00; 10 lbs., \$1.75; 25 lbs., \$3.75.

## BERMUDA GRASS

**FOR PASTURE.** Grows on most all types of soil but will not grow in dense shade. Bermuda and Lespedeza grow fine together, and if White Clover or Crimson Clover is added, an excellent pasture is possible from early spring to midfall. Because of its dense sod and creeping habit of growth, Bermuda is decidedly the best grass to prevent soil erosion. Do not plant until the cold is definitely past, and the ground is thoroughly warm; roughly, from April 15th to August 15th. Hulled Bermuda germinates in 10 days with ample moisture. Unhulled seed requires 21 to 30 days. For grazing, sow 10-15 pounds unhulled seed per acre alone, less in a pasture mixture. Hulled seed sows 50 per cent more space.

Prices (Unhulled Seed), postpaid, 1/2 lb., 60c; 1 lb., \$1.00; 3 lbs., \$2.85; 5 lbs., \$4.50.

Prices (Hulled Seed), postpaid, 1/2 lb., 75c; 1 lb., \$1.35; 3 lbs., \$3.90; 5 lbs., \$6.25.

**FOR LAWNS.** The dependable hot weather grass for southern lawns. Sow April 15th to August 15th; have ground well prepared and cover seed lightly as seeds germinate slowly. Keep soil well watered until up. If weather is dry, soak ground well three times a week. Sow one pound of unhulled seed to 20 x 30, or 600 square feet. Sow one pound of hulled seed to 25 x 40, or 1,000 square feet.

Prices (Unhulled Seed), postpaid, 1/2 lb., 60c; 1 lb., \$1.00; 3 lbs., \$2.85; 5 lbs., \$4.50.

Prices (Hulled Seed), postpaid, 1/2 lb., 75c; 1 lb., \$1.35; 3 lbs., \$3.90; 5 lbs., \$6.25.



SUDAN GRASS

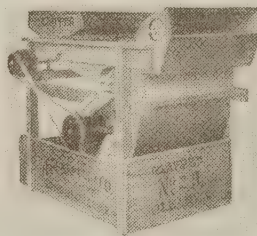
## WINTER RYE GRASS

**FOR PASTURE.** Sow in September and October, the earlier the better. Don't sow on wheat or other small grain, but by itself, or perhaps with other grasses, or with clover, on well-prepared land. Sow it on fertile soil only for best results. Good stands are easily obtained and the fall growth is rapid, affording pasture from late fall to late spring—dies down in hot summer. The foliage is very tender, and all livestock find it palatable. Sow 20 to 30 pounds per acre.

Postpaid, 1 lb., 30c; 5 lbs., \$1.00; 10 lbs., \$1.75.

**FOR LAWNS.** When sown in the fall, which is the proper season, Winter Rye Grass remains green all through the winter. Sow on top of Bermuda in September, October and November, at the rate of one pound to 10 x 10 feet, or 100 square feet.

Postpaid, 1 lb., 30c; 5 lbs., \$1.00; 10 lbs., \$1.75.



## CLIPPER CLEANER

Has vertical air blast cleaners, fans, and separators. Cleans most all seeds and grains.

Available about June 1, 1945. Write for illustrated, descriptive folder and prices.

## Pasture Grass Mixtures

**PERMANENT PASTURE MIXTURE NO. 1.** For uplands and well drained loamy soils, for either pasture or hay. Contains various grasses and clovers in proper proportions for such soils, based on our observation and experience. Sow 20 to 25 pounds per acre.

Postpaid, 1 lb., 55c; 5 lbs., \$2.25; 10 lbs., \$4.25.

**PERMANENT PASTURE MIXTURE NO. 2.** For lowlands. Experience has taught that some grasses and clovers thrive best in rather low, moist soils. Our No. 2 Mixture is prepared accordingly, good for grazing and hay. Sow 18 to 21 pounds per acre.

Postpaid, 1 lb., 60c; 5 lbs., \$2.50; 10 lbs., \$4.75.

**PERMANENT HOG MIXTURE.** Especially prepared for pasturing hogs. Composed of Red Clover, Red Top Grass, Orchard Grass, Alsike Clover, Rape, etc. Sow 20 pounds per acre.

Postpaid, 1 lb., 50c; 5 lbs., \$2.00; 10 lbs., \$3.75.



## CYCLONE SEED SOWER

For more than 60 years it has been on the market and long ago won recognition as a dependable machine. Hundreds of thousands of farmers in America, Europe, Canada and elsewhere have long relied upon it for sowing Clover, Grass, Alfalfa, Lespedeza, Oats, Rye, Millet, Wheat, Turnip, and other seeds that are sown broadcast.

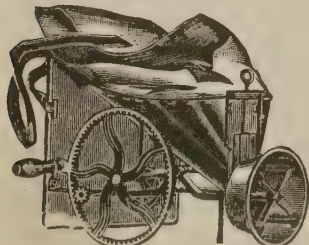
Price—Each, postpaid, \$3.00.



## COMBINATION FERTILIZER AND SEED SOWER

Of special value to farmers who wish to apply granular fertilizer or seed early in the spring when the soil is still wet from early thaws. It is especially useful on steep, rough and irregular land.

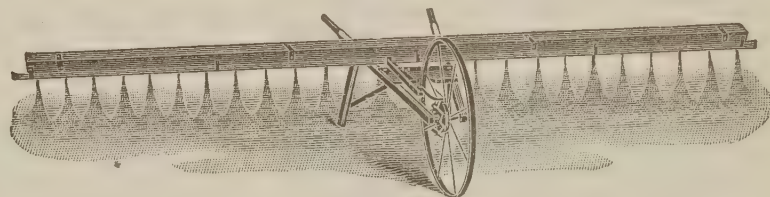
Price—Each, postpaid, \$4.25.



## CAHOON SEED SOWER

This seed sower has been known and recognized as standard equipment in all parts of the country for many years. Sows all kinds of grains and grass seed. Bag and hopper holds 22 quarts; two gates govern the quantity of seed used, preventing waste.

Price—Each, postpaid, \$5.35.



## THOMPSON WHEELBARROW SEEDER

**NO. 13 ROYAL, Double Hopper Seeder.** The fastest grass seeder on the market. Easy running and lightweight, complete only 50 pounds. The seed is never bunched. Seed is sown close to ground, hence wind does not blow it. 14 feet in length, having an extra deep hopper, is the best for sowing Lespedeza seed in addition to sowing alfalfa, clovers, millet, timothy, grasses, etc. With chain feed.

Price f.o.b. Memphis, \$19.75.

**NO. 101 UNIVERSAL DISTRIBUTOR.** An all-purpose distributor, broadcasts uniformly at any rate application required. Hopper capacity 1 1/2 bushels of seed or one 100-pound bag of fertilizer, spreading width 10 feet.

Price f.o.b. Memphis, \$30.75.



## HORN SEED SOWER

Has patented seed gauge constructed of brass that will never rust. It is this gauge that has made this seeder so popular. It is very accurate and dependable and is attached to a sectional tube. It is an old favorite with truckers and farmers everywhere for sowing all small seeds like grass, alfalfa, timothy, lespedeza, etc.

Price—Each, postpaid, \$1.10.

See Green Ink List

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RUSSELL-HECKLE



# Miscellaneous FARM CROPS



CROTALARIA YIELDS UP TO 40,000 POUNDS GREEN MATERIAL PER ACRE

## CROTALARIA SPECTABILIS

This is truly a marvelous summer cover crop, a yield of 40,000 pounds of green material per acre is not uncommon. Splendid soil builder in orchards, etc. Fine with corn planted in same rows when corn is planted, or in corn and other farm crops at last cultivation. It will greatly increase crop yields following it. It is not offered as a feed crop, or hay crop, though a nearby farmer tells us his mules ate it readily. But it is really too valuable as a fertilizer to feed.

Thoroughly plow, disc and harrow the soil. Sow after danger of frost is past, when moisture is present, 10 to 15 pounds per acre broadcast or five pounds drilled in three-foot rows, using scarified seed only as with Sericea. Firm the soil immediately after planting to conserve the moisture, cultivate once or twice when planted in rows.

**EARLY CROTALARIA.** Most desirable for planting in upper South since it grows more rapidly. Should be used more as a catch crop after oats or sown just before the last cultivation of corn, cane or cotton in the central and lower South.

Postpaid, 1 lb., 50c; 5 lbs., \$2.25; 10 lbs., \$4.00.

**LATE CROTALARIA.** Although it makes about a foot more growth than any other Crotalaria, averaging 7 feet high, and will yield 15 or more tons of green manure per acre, does not make its maximum growth as quickly as the early type. This strain should be used in all cases where early planting is possible.

Postpaid, 1 lb., 50c; 5 lbs., \$2.25; 10 lbs., \$4.00.

## STOCK BEETS OR MANGELS

**How and When to Plant** Plantings should be made from April until the middle of June. Sow in drills 2 to 2½ feet apart. Thin out to stand 10 inches apart in the row; 5 to 6 lbs. will plant an acre. Cultivate as soon after planting as possible. As soon as frost occurs, dig the roots, cut off the tops and pile on a well drained situation, covering with straw or corn stalks and an inch of earth. As it gets colder, increase the covering to prevent freezing. Always feed with some dry roughage.

**MAMMOTH LONG RED MANGEL.** (110 days.)

Highest in yield. The roots often weigh 20 to 30 pounds each. It grows well above ground, is easily pulled; the deep red roots are straight, well formed and solid. A fine keeper and will supply an abundance of succulent green food for stock of all kinds and for poultry. Adapted to deep soils.

Postpaid, pkt., 5c; oz., 15c; ¼ lb., 40c; ½ lb., 70c; 1 lb., \$1.25; 5 lbs., \$5.75.

**GIANT FEEDING SUGAR.** (90 days.)

Not as high in tonnage yield per acre, but the pound to pound feeding value is greater because of its high sugar content. Grows partly out of the ground and is easily harvested. Fine for fattening cattle and equally as good as other stock beets for general feeding.

Postpaid, pkt., 5c; oz., 15c; ¼ lb., 40c; ½ lb., 70c; 1 lb., \$1.25; 5 lbs., \$5.75.

## BUCKWHEAT

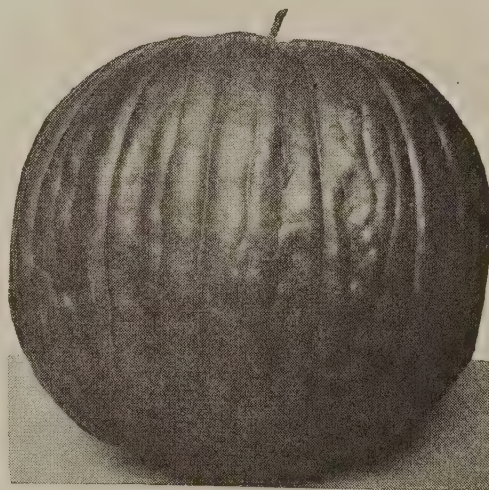
Splendid soil improver, good summer cover-crop for orchards, and an excellent late summer catch-crop. A great poultry feed, and bees fed on buckwheat blooms produce more honey. Buckwheat flour makes the most delicious cakes. Sow 40 to 50 lbs. to acre.

Postpaid, 1 lb., 30c; 5 lbs., 85c; 10 lbs., \$1.50.

## KENTUCKY YELLOW FIELD PUMPKIN

A fine pumpkin, nearly 2 feet in diameter. Flesh dull orange color, extra thick. Heavy yielder and excellent keeper. Largely used for canning and stock feeding. Plant 2 to 3 pounds per acre alone, or 1 pound sown with corn. Plant when the ground has become warm, in hills 8 to 10 feet apart each way. Plant 1 inch deep. Thin to 2 plants to a hill. Cultivate thoroughly until the vines cover the ground. Matures in about 98 days.

Postpaid, pkt., 5c; oz., 10c; ¼ lb., 20c; ½ lb., 35c; 1 lb., 60c; 5 lbs., \$2.50.



KENTUCKY FIELD PUMPKIN

## PEANUTS

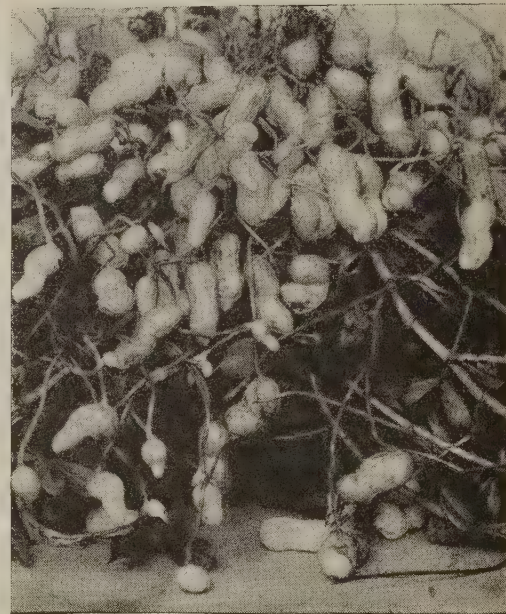
**HOW TO PLANT PEANUTS.** Prepare the ground well, laying off in rows 3½ feet apart. Put 2 kernels to the hill, hills about 1 foot apart. Break the hull before planting. 35 to 40 pounds to the acre.

**TENNESSEE LONG RED.** Especially adapted to this section. The nuts contain three large kernels in each and are enormously productive.

Postpaid, 1 lb., 35c; 5 lbs., \$1.25; 10 lbs., \$2.25.

**SPANISH PEANUT.** The best variety for forage and fattening crop in the South. Early, heavy bearer; bushes growing close, so easily cultivated. Grains or nuts are small, skins of creamy white color, much sweeter and finer flavored and much more free from "pops" than the larger sorts.

Postpaid, 1 lb., 35c; 5 lbs., \$1.25; 10 lbs., \$2.25.



SPANISH SEED PEANUTS

## JERUSALEM ARTICHOKE

Every hog-raiser should grow Artichokes, for they come year after year and hogs thrive on them. In the fall when they have matured, turn the hogs into the field, and they will feed on them all winter, except when the ground is wet or frozen. You grow them just as you would potatoes: Cut them two eyes to the piece and plant 2 inches deep, 15 to 18 inches apart in 3 to 3½-foot rows. Requires 3 to 5 bushels to plant an acre. Plant during March or April, the earlier the better; they stand considerable drought and extreme cold weather.

Postpaid, 1 lb., 30c; 5 lbs., \$1.00; 10 lbs., \$1.75.

## CHUFAS OR EARTH ALMONDS

The Chufa is a species of ground nut, most easily grown. Any land suitable for corn, cotton or peanuts should make a good crop of Chufas. Inexpensive to harvest as the hogs do the work. In the fall pull up a few plants for your stock to taste, and they will then go over the entire field and will attend to the harvesting. Plant from April until the end of May, in 2½ to 3-foot rows, dropping 3 to 5 Chufas together, 16 to 18 inches apart in the row, and cover 2 inches deep. Requires 1 to 1½ pecks to plant an acre.

Postpaid, 1 lb., 50c; 5 lbs., \$2.00; 10 lbs., \$3.75.

## MAMMOTH CHILI SQUASH

The largest of the squashes. The fruits are long and slightly pointed. It often attains a weight of 100 pounds and is used chiefly for stock feeding and exhibition purposes. Plant after weather becomes fully settled and the ground is warm and dry, in hills 6 to 8 feet apart. Slightly elevate the hills and place 7 or 8 seeds in each, finally leaving but three of the strongest plants. Press the seeds down firmly before covering, and cover early planted ones 1 inch deep, and late ones 1½ inches. One ounce of seed makes 40 hills, 2 to 3 pounds to an acre. Matures in about 120 days.

Postpaid, pkt., 5c; oz., 15c; ¼ lb., 40c; ½ lb., 70c; 1 lb., \$1.25; 5 lbs., \$5.75.



# Profitable Ones for You to Grow



WHITE BURLEY TOBACCO

## TOBACCO

**Culture**—The seed should be sown as soon as possible after danger of frost is over. When the plants are 6 inches high, transplant into rows 3 feet apart each way.

### VARIETIES

**HAVANA.** Much used for cigar wrappers; leaf very thin and of fine texture.  
Postpaid, pkt., 15c; 1/2 oz., 45c; oz., 75c; 2 oz., \$1.35; 1/4 lb., \$2.50.

**WHITE BURLEY.** (Root rot resistant.) Favorite for plug fillers and wrappers.  
Postpaid, pkt., 15c; 1/2 oz., 45c; oz., 75c; 2 oz., \$1.35; 1/4 lb., \$2.50.

## PARSNIPS

### SUGAR OR HOLLOW CROWN

The best all-around variety of parsnips. The leaves start from a depression in the crown of the root, thus giving it the name of "Hollow Crown." Rich, with smooth white skin; very sweet flavor, immensely productive. Valuable in stock feeding, especially for milch cows. Parsnips succeed best on deep, rich, sandy soil but do well on any good deep, mellow soil. Fresh manure makes coarse roots of uneven shapes. Sow seed in early spring, one inch deep, in rows 18 to 24 inches apart and when 3 inches high thin to 4 to 6 inches apart in row. One ounce of seed for 100 feet of row; 5 to 6 pounds of seed required for an acre.

Postpaid, pkt., 5c; oz., 15c; 2 oz., 25c; 1/4 lb., 40c; 1/2 lb., 70c; lb., \$1.25; 5 lbs., \$5.75.



HOLLOW CROWN PARSNIP

## CERTIFIED IRISH SEED POTATOES

**Culture**—Cut the potatoes in four to six pieces, so there is at least one eye on each piece. About three pieces should be planted in each hill, 3 to 4 inches deep, according to the time of planting, in rows 3 feet apart and 16 to 18 inches apart in the rows. 8 to 10 bushels will plant an acre.

**CERTIFIED CHIPPEWA.** (75 days.) Has general features of the Cobbler. Extra early, shallow eyes, resistant to disease, very white, round, smooth, heavy yielder.  
For prices see Green Ink List.

**CERTIFIED RED WARBA.** (72 days.) A new variety, skin red, flesh white and of fine quality. Tubers are oval, large size and is a very heavy cropper. The Warba potato is a two-crop variety, producing a crop in the spring, also for fall.  
For prices see Green Ink List.

**CERTIFIED RED TRIUMPH.** (75 days.) A popular early variety. Tubers are nearly round, with red, smooth skin, small, shallow eyes, very uniform in size and shape. One of the prettiest potatoes grown.  
For prices see Green Ink List.

**CERTIFIED IRISH COBBLER.** (80 days.) The eyes are strong, well-developed, and slightly indented. The flesh is creamy white and of fine quality and flavor.  
For prices see Green Ink List.

## TURNIPS

### How, When and Where to Plant

Spring sowing should be put in early, so that they will attain a good size before hot weather. For the regular crop, sow the early sorts in July or August, the later sorts during August, and the forage varieties August and September. Sow either broadcast or in drills, 2 to 2 1/2 feet apart, thinning out to 2 to 3 inches and roll the ground after sowing. Cover the seed about 1/2 inch. Sow 1 to 2 pounds to acre in drills, 2 to 3 pounds broadcast.

**LARGE WHITE GLOBE or Pomeranian or Norfolk.** (75 days.) A wonderful variety to grow for stock feed. Produces a tremendous tonnage.  
Postpaid, pkt., 5c; oz., 10c; 1/4 lb., 20c; 1/2 lb., 35c; 1 lb., 60c; 5 lbs., \$2.50.

**LONG WHITE COW-HORN.** (80 days.) A fine sort for stock feed.  
Postpaid, pkt., 5c; oz., 10c; 1/4 lb., 25c; 1/2 lb., 45c; 1 lb., 75c; 5 lbs., \$3.25.

**SOUTHERN SEVEN TOP.** A foliage turnip excellent for forage use. Noted for its hardiness and ability to shoot up an abundance of leaves.  
Postpaid, pkt., 5c; oz., 10c; 1/4 lb., 15c; 1/2 lb., 25c; 1 lb., 45c; 5 lbs., \$1.75.

**SOUTHERN PRIZE.** Quite popular for its fine foliage which is used as forage crop for stock.  
Postpaid, pkt., 5c; oz., 10c; 1/4 lb., 20c; 1/2 lb., 30c; lb., 50c; 5 lbs., \$2.00.

**LARGE YELLOW AMBER GLOBE.** (75 days.) Extensively grown for stock feed. It is hardy, very productive, and an excellent keeper.  
Postpaid, pkt., 5c; oz., 10c; 1/4 lb., 25c; 1/2 lb., 40c; lb., 65c; 5 lbs., \$2.75.

## DWARF ESSEX RAPE

An excellent pasture and green forage crop for cattle, hogs, sheep and stock. It is high in feeding value, producing an abundant flow of milk in milch cows (feed rape to milch cows after milking, not before, to avoid slight cabbage flavor to milk). Rape will grow 1 1/2 to 3 feet tall—grows very rapidly—ready to use in 8 weeks. Prefers a rich mellow soil, will do well on most fairly good soils except sand or stiff clays, needs plenty of moisture to start. Plow deeply, disc well and harrow thoroughly. Can be sown with spring grain or in combination with clover. Sow in drills 4 to 6 pounds—broadcast 10 to 15 pounds per acre, about one inch deep.

Postpaid, 1/4 lb., 15c; 1/2 lb., 25c; 1 lb., 45c; 5 lbs., \$2.00; 10 lbs., \$3.75.

**CERTIFIED KATHADIN.** (80 days.) Promises to become the best white potato for the South. Keeps better than any other potato. Yields heavily. The tubers are short, roundish, white skin, firm white flesh, and cook up dry and mealy.

For prices see Green Ink List.

## ETHYLENE CHLORHYDRIN

A chemical that stimulates rapid and complete sprouting when properly applied to spring dug Irish potatoes.

Ethylene	Treats	Postpaid
1/2 Pint	2 Bushels.....	\$ .65
1 Pint	4 Bushels.....	1.00
1 Quart	10 Bushels.....	1.75
1 Gallon	40 Bushels.....	5.00

## SEMESAN BEL

**BETTER STANDS**—Semesan Bel helps produce better stands of more vigorous plants by generally reducing losses from certain seed-borne diseases and seed-piece decay. Used on both Sweet and Irish Potatoes. One ounce treats 4 to 5 bushels of seed potatoes.

Postpaid, 2-oz. size, 33c; 1 lb., \$1.75.

## MAMMOTH RUSSIAN SUNFLOWER

Plant and cultivate like corn in 2 1/2-foot rows. For feed or silage, plant 15 to 20 pounds per acre; for seed production 6 to 8 pounds, planting a foot apart in the row. When ripe, cut off the heads. Pile loosely under cover.

Postpaid, pkt., 10c; 1/2 lb., 25c; lb., 40c; 5 lbs., \$1.50; 10 lbs., \$2.75.

## IMPROVED LONG ORANGE CARROT

Roots reddish orange, 12 inches long, 2 inches thick, tapering to a point; flesh red-orange. Excellent for stock feeding. Plant carrot seed from the time the soil can be worked in the spring till July, in 1 or 2-foot rows for hand cultivation or in 30-inch rows where a horse-drawn tool is used. Use one ounce of seed to 100 feet of row, 4 to 5 pounds to the acre, covering one-half inch deep and later thin to a four-inch stand. Matures in about 88 days.

Postpaid, pkt., 5c; oz., 20c; 2 oz., 35c; 1/4 lb., 60c; 1/2 lb., \$1.05; lb., \$1.95; 3 lbs., \$5.55.



LONG ORANGE CARROTS

See Green Ink List

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RUSSELL-HECKLE



# Plant SOY BEANS for Cheap Hay

## EDIBLE SOY BEANS



A HANDFUL OF  
EASY COOK EDIBLE SOY BEANS

### 3 OF OUR BEST EDIBLE VARIETIES

**Culture.** Plant in April and May on manured soil, seeds three inches apart and one inch deep. The number of days refers to picking for use as green shelled beans; full maturity, for dry shelled beans is reached about 30 days later.

**BANSEI.** (90 days.) Plants erect and of medium height, very prolific, well adapted for short season areas. Beans glossy yellow, oblong with rounded ends, of mild, pleasing flavor.

Postpaid, pkt., 10c; ½ lb., 25c; lb., 40c;  
2 lbs., 70c; 5 lbs., \$1.50; 10 lbs., \$2.75.

**EASY COOK.** (110 days.) An edible soy bean that can be cooked in about half the time of other varieties. Used either in the green state or dried.

Postpaid, pkt., 10c; ½ lb., 20c; lb., 35c;  
2 lbs., 60c; 5 lbs., \$1.25; 10 lbs., \$2.25.

**ANWEI.** (80 days.) Resembles the Bansei in color, but is more round in shape. The cooked mature bean presents a tender skin and desirable flavor.

Postpaid, pkt., 10c; ½ lb., 25c; lb., 40c;  
2 lbs., 70c; 5 lbs., \$1.50; 10 lbs., \$2.75.

## RALSOY

The Ralstoy is a pure line developed from the Arksoy and has several advantages: (1) erect stalk with fruit borne in clusters near the main stem; (2) high degree of uniformity in growth and maturity; (3) definitely higher in yield and percentage of oil than the Arksoy. The maturity is about the same and it seems to have the same ability as the Arksoy to mature a crop before frost even if planted quite late.

Postpaid, ½ gal., 55c; gal., 95c; pk., \$1.65.

## AVOYELLES

Developed in Louisiana and found to be very resistant to cutworms, or destructive pests on other varieties there. Seeds are black, larger than Ootootan. Makes a splendid hay variety. Also a prolific bean yielder.

Postpaid, ½ gal., 75c; gal., \$1.35; pk., \$2.50.

## BROWN BILOXI

An upright variety growing 4 to 5 feet high, covered with a dense mass of foliage that does not shed easily. A heavy yielder of beans; the oil and protein contents are high; a fine bean for hogging down, for planting with corn or sorghum and for oil. The beans do not shatter, will stay in the pods until February. Late in maturing.

Postpaid, ½ gal., 75c; gal., \$1.35; pk., \$2.50.

## HOW . . . WHEN . . . WHERE . . . TO PLANT

Soy beans may be planted either broadcast or in drills. Usually a better crop is had when planted in drills and cultivated, and few crops leave the land cleaner and in better condition for the following crop. They grow equally well on light and heavy soils, but on heavy soils they should not be planted more than 1 to 1½ inches deep except in dry seasons. On light sandy soils plant deeper, but not more than 3 inches deep. When sown broadcast sow 1 to 1½ bushels to the acre; in drills about a peck to the acre. Plant in April, May or June.

## MACOUPIN

This yellow variety seems to be, for the South, the earliest soy bean of all, and that makes it the most practicable variety for crushing for oil—it is ready to harvest before bad weather sets in around September 1st. A heavy yielder of beans, and a good soil builder. A farmer should have some Macoupins and a later variety like Arksoys so he can handle both to advantage with his combine.

Postpaid, ½ gal., 55c; gal., 95c; pk., \$1.65.

## OGDEN

Developed by Prof. H. H. Ogden at the University of Tennessee. A yellow variety of high oil content, very prolific yielder of beans, which makes it a No. 1 bean for oil mill crushing. Drought resistance and soil building qualities add to its popularity. Matures seed about October 1st to 15th.

Postpaid, ½ gal., 55c; gal., 95c; pk., \$1.65.

## ARKSOY 2913

A yellow variety that matures about three weeks later than Macoupin, however is two weeks earlier than other yellow varieties used in Memphis territory. High in oil content. A selection of regular Arksoy.

Postpaid, ½ gal., 55c; gal., 95c; pk., \$1.65.

## LAREDO

One bushel will plant 6 to 8 acres in rows 3 to 3½ feet apart, depending upon how thick you want them. We know of one farmer who got a perfect stand using one bushel to 12 acres. They should not be covered deeper than 1½ inches; a half-inch is better. One or two cultivations to keep down the grass and weeds is advisable. One of the best hay varieties.

Postpaid, ½ gal., 75c; gal., \$1.35; pk., \$2.50.

## VIRGINIA

As it is about 20 days earlier than the Laredo, it can be grown farther north and throughout the corn belt. The vines make a fine growth, are filled with pods, stand about 3 feet, are easy to cut and easy to cure. The stems being fine and the leafage profuse adapts it particularly well for hay making.

Postpaid, ½ gal., 75c; gal., \$1.35; pk., \$2.50.

## TANNER

Seedsman formerly called this "Red Tanner" but U. S. Department of Agriculture says it's Tanner only. It is a red seeded variety, seed about same size as Virginia or little smaller. A fine stemmed leafy variety that is finding favor all over the South as a hay variety.

Postpaid, ½ gal., 75c; gal., \$1.35; pk., \$2.50.

## OTOOTAN

Few soy beans can equal Ootootan as a hay maker. Its late maturity is more than overcome by the abundant growth—5 feet or more in long growing seasons—its fine stems and abundant foliage, and the fine texture of its hay. It differs from most varieties in having many leafy branches instead of a coarse central stem.

Postpaid, ½ gal., 85c; gal., \$1.50; pk., \$2.75.

## MAMLOXI

Developed at Stoneville, Miss., Experiment Station. Is erect in growth, upright, very prolific yielder of beans, and very fine for combination with corn, and soil building. Good for hay if planted thick. Matures about with Mammoth Yellows but shatters very little. Seed yellow with some brown markings.

Postpaid, ½ gal., 55c; gal., 95c; pk., \$1.65.

## VOLSTATE

A high yielding yellow soybean. This is a later development by Prof. H. H. Ogden of the University of Tennessee. A little later in maturity than Ogden, but a week earlier than Tokio. Non-shattering qualities and excellent for forage.

Postpaid, ½ gal., 55c; gal., 95c; pk., \$1.65.

### INOCULATE THE SEED BY ALL MEANS

Field tests have shown that better crops are harvested when Legume seeds are inoculated even when planted on fields where inoculated seeds of the same Legume crops had grown the previous year. Use NITRAGIN—the oldest and most widely used inoculator in America.

Small size (inoculates up to 120 lbs. of soy bean seed). Postpaid, each, 30c.



SOY BEANS MAKE POOR LAND GOOD AND GOOD LAND BETTER

RUSSELL-HECKLE

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For Quantity Prices



# Plant STOCK or COWPEAS

## For Hay and Soil Improvement!



COWPEAS ARE FINE  
FOR SOIL IMPROVEMENT

### WHEN AND HOW TO SEED

Sow one to two bushels per acre broadcast. Two to three pecks in drills. When sown with soy beans, kaffir corn, sorghum and sudan grass sow half a bushel soy beans or one peck kaffir corn or sorghum or 10 pounds sudan grass with one bushel cow peas to the acre.

### DWARF SHELL OR FIELD BEANS

**Culture**—Do not plant until the middle of June. Plant in rows 2 to 3 feet apart, spacing the seed 2 to 3 inches apart, and cover 1 to 2 inches deep. One lb. for 100 feet; 60 to 75 lbs. per acre. Plants erect, semi-bush type. For best results inoculate seed with nitrogen.

**GREAT NORTHERN.** (90-100 days.) The standard dry shell bean, used for baking and soup. Vine large, slender, and productive. Postpaid, pkt., 10c; 1/2 lb., 20c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.25; 10 lbs., \$2.25.

**PINTO.** (100-110 days.) A standard shell bean, grows well in the South. Vine 2 1/2 feet, vigorous and productive.

Postpaid, pkt., 10c; 1/2 lb., 20c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.25; 10 lbs., \$2.25.

### VELVET BEANS

90-Day or Early Speckled

It is very prolific and can be planted later than other sorts on account of its early maturity. Velvet Beans make a greater growth of vines and beans than any other known forage plant in the same length of time, therefore, one of the best soil building legumes. Excellent for grazing off green and cattle will fatten on them even after frost has killed vines.

Postpaid, pt., 35c; qt., 55c; 1/2 gal., 95c; gal., \$1.75; pk., \$3.25.

#### INOCULATE THE SEED BY ALL MEANS

Field tests have shown that better crops are harvested when Legume seeds are inoculated even when planted on fields where inoculated seeds of the same Legume crops had grown the previous year. Use NITRAGIN, the oldest and most widely used inoculator in America.

Small size (inoculates up to 120 lbs. of Cowpea, Velvet Bean or Mung Bean seeds), postpaid, each, 30c.

**CLAY.** (110 days.) The seeds are buff colored, medium size, the plant is large, vigorous growing and of vining or running habit, pods are large and yellowish. The Clay pea is used mostly for soil improving or green manuring.

Postpaid, pt., 35c; qt., 55c; 1/2 gal., 95c; gal., \$1.75; pk., \$3.25.

**RED RIPPER.** (110 days.) Seeds are red, it is a vigorous growing vining pea. Like the Clay or Black, makes fine yield of long vines. Shy seeder, very popular where known. Planted mostly for soil improving and in mixtures for hay.

Postpaid, pt., 35c; qt., 55c; 1/2 gal., 95c; gal., \$1.75; pk., \$3.25.

**NEW ERA.** (80 days.) The seeds have a blue cast with many black specks—an early maturing upright growing variety, very prolific producer of peas, small vines cure quickly, splendid for hay. Seeds are smaller than Whippoorwill and it does not require as many to plant an acre.

Postpaid, pt., 35c; qt., 55c; 1/2 gal., 95c; gal., \$1.75; pk., \$3.25.

**BLACK.** (120 days.) Seeds jet black, viny or running, making a fine growth of vines and leaves—shy seeder, splendid land improver; most valuable as a forage crop; used also as a general purpose pea. If broadcast for hay mix some upright-growing pea with them to hold vines off the ground for cutting. There is also a bush variety Black Pea.

Postpaid, pt., 35c; qt., 55c; 1/2 gal., 95c; gal., \$1.75; pk., \$3.25.

**MIXED PEAS.** (Hay 90 days.) For hay and soil improving, our mixtures consist of upright and vining peas—the upright growing peas, such as Whippoorwill or New Era (when used) hold the vining or running peas such as Black, Clay and Red Rippers off the ground, which makes it much easier to cut for hay.

Postpaid, pt., 30c; qt., 50c; 1/2 gal., 85c; gal., \$1.50; pk., \$2.75.

**RED KIDNEY.** (90-100 days.) One of the finest of all beans for baking. Very productive.

Postpaid, pkt., 10c; 1/2 lb., 25c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.50; 10 lbs., \$2.75.

**WHITE NAVY.** (90-100 days.) This small shell bean will outyield all others. Excellent for use as baked beans. Plant large, spreading, with many runners.

Postpaid, pkt., 10c; 1/2 lb., 20c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.25; 10 lbs., \$2.25.

### MUNG BEANS

Green Seeded

There has developed an enormous demand for Mung Beans for commercial sprouting and canning. Heretofore the supply came from China and other Asiatic countries. The bean sprouts are used particularly by Chinese restaurants for making chop suey and other Chinese dishes. It is a legume used to some extent as a forage, pasture and soil building crop. Grows well on any type of soil, but best suited to warm sandy loams. They are very hardy and disease resistant. The seed are small and it takes 5 to 8 pounds to drill an acre in 3-foot rows. Broadcast, 25 to 35 pounds an acre. Beans mature in 90 to 100 days, depending on the season.

Postpaid, pt., 50c; qt., 85c; 1/2 gal., \$1.50; gal., \$2.75.

### DEMAND

That your seed dealer furnish you an authentic germination and purity test on all field seeds. If he can't do it, don't buy them.

**THE WHIPPOORWILL.** (90 days.) Also known as speckled. The seeds are buff, brown or grey, depending on type, and are speckled; they are spoken of as bush peas, but will make vines when planted on rich land; on poor soil they produce few vines and many peas. The plants grow upright, two to five feet tall—half bushy or semi-erect. The Whippoorwill is the most popular general purpose stock pea for either seed or hay. Postpaid, pt., 35c; qt., 55c; 1/2 gal., 95c; gal., \$1.75; pk., \$3.25.

## For Table Use!

**WHITE SUGAR CROWDER** (Semi-Dwarf.) Very sweet. Considered best of the Crowders for home or market.

Postpaid, pkt., 10c; 1/2 lb., 25c; lb., 45c; 2 lbs., 80c; 5 lbs., \$1.75.

**BROWN SUGAR CROWDER** (Semi-Dwarf.) Will bunch on poor ground, make some vine on good soil, sometimes larger than the White or Cream Crowder; very prolific.

Postpaid, pkt., 10c; 1/2 lb., 25c; lb., 45c; 2 lbs., 80c; 5 lbs., \$1.75.

**EXTRA EARLY BLACK EYE** (Dwarf.) Often called Small or Six Weeks Blackeye. This is the earliest of all Blackeye peas. It is a prolific bearer of sweet, tender, delicious green peas. For dried winter use plant in early August.

Postpaid, pkt., 10c; 1/2 lb., 25c; lb., 45c; 2 lbs., 80c; 5 lbs., \$1.75.

**LADY or GALLIVANT** (Running). There are more of these peas sold on the southern markets than any other of the small white peas. Fine flavor.

Postpaid, pkt., 10c; 1/2 lb., 25c; lb., 45c; 2 lbs., 80c; 5 lbs., \$1.75.

**LARGE WHITE BLACK EYE** (Running). Main crop pea, late maturing. Long pods well filled; good producers.

Postpaid, pkt., 10c; 1/2 lb., 25c; lb., 45c; 2 lbs., 80c; 5 lbs., \$1.75.

**RICE or CREAM** (Semi-Dwarf). Early. Similar to Gallivant or Lady, but larger, very popular.

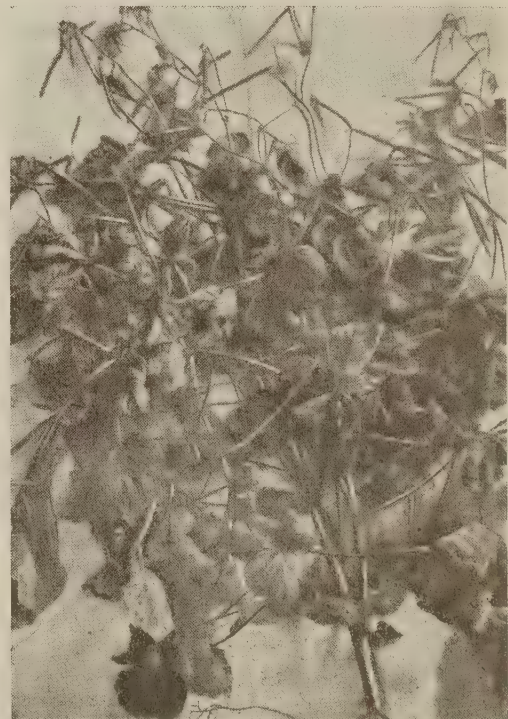
Postpaid, pkt., 10c; 1/2 lb., 25c; lb., 45c; 2 lbs., 80c; 5 lbs., \$1.75.

**CALICO** (Running). White pea with red splotches, known in some sections as Coat and Jacket, Joseph Coat and Wild Goose. Peas of good flavor and not as strong as most dark peas.

Postpaid, pkt., 10c; 1/2 lb., 25c; lb., 45c; 2 lbs., 80c; 5 lbs., \$1.75.

**WHITE BROWNEYE PURPLE HULL** (Semi-Dwarf). Produces green peas of good quality. Very prolific with well-filled pods.

Postpaid, pkt., 10c; 1/2 lb., 25c; lb., 45c; 2 lbs., 80c; 5 lbs., \$1.75.



MUNG BEANS



# It Will Pay You to Plant SORGHUM for



GOLDEN MILLET

## GOLDEN MILLET

Big head, large yielding type. One of the easiest grown summer catch crops when feed is short. It smothers out weeds, leaving ground in fine condition for fall crops. It is a very rapid grower, can be planted up to August, making a bumper nutritious hay crop in 60 days. Cut when plant is in early bloom. Millet hay is a fine cattle feed. Under certain conditions it is considered injurious to horses and mules, affecting their kidneys. This should be overcome by sowing 25 pounds of millet with a bushel of peas per acre.

Postpaid, 1 lb., 25c; 5 lbs., \$1.00; 10 lbs., \$1.50.

## BARNYARD MILLET

The Department of Agriculture says it will thrive in practically any part of the country. In Memphis territory it grows 4 to 6 feet high, yielding an enormous crop that is relished by stock, equal in quality to corn fodder.

Hunting clubs find that it is about their best bet to attract wild ducks, affording an abundance of feed when sown along the edges of lakes and allowed to mature seed. Sow in May, June or July, 20 pounds per acre broadcast, or sow in 15-inch drills and cultivate until plants are 18 inches high.

Postpaid, 1 lb., 40c; 5 lbs., \$1.50; 10 lbs., \$2.75.

## PEARL OR CATTAIL MILLET

One of the greatest and best yielders of green forage and continues to grow and produce through the entire season if cut frequently enough to prevent its going to seed; three to four cuttings may be had. Sow thinly in rows 3 feet apart at rate of 8 to 10 pounds per acre.

Postpaid, 1 lb., 35c; 5 lbs., \$1.50; 10 lbs., \$2.75.

## FETERITA

Feterita is adapted to all sections where grain sorghum may be grown. It is drouth resistant and is therefore especially well suited as a crop under conditions of limited moisture—being somewhat earlier in maturity than milo maize, and therefore elusive of drouth. It responds well to production under favorable growing conditions, being one of the best grain sorghums for silage, perhaps, for use in humid regions. It makes a large forage growth under humid conditions and very frequently sets a good crop of seeds, perhaps on account of its earliness. It requires only 6 to 8 pounds of seed to plant an acre. Soil should be prepared early for planting Feterita, for the purpose of storing moisture. The grain is somewhat larger than milo and is chalk white in color, which gives the matured crop an attractive appearance.

Postpaid, 1 lb., 35c; 5 lbs., \$1.25; 10 lbs., \$2.25.

## ATLAS SORGO

A cross between Blackhull Kaffir and Sourless Cane. Grows 9 to 12 feet tall, makes sturdy leafy stalk, juicy and sweet. Furnishes tremendous tonnage both of forage and grain very similar to kaffir. Plant when ground is warm in spring, 5 to 10 pounds per acre.

Postpaid, 1 lb., 25c; 5 lbs., \$1.00; 10 lbs., \$1.75.

## • Drought Resistant

All varieties of sorghum are drought resistant, and are considered among the surest of dry-land crops.

Grain sorghums are used for feeding various classes of stock, including horses, cattle, sheep, swine and poultry.

There is perhaps no important staple crop which varies so widely as sorghum. In Africa, the continent generally considered its native home, there are hundreds of distinct varieties, and in India and China almost as many more. After its introduction into the United States the continued cross-pollination of sorghums in the field has resulted in many additional varieties.

The sorghum crop has four uses—fodder, grain, syrup, and industrial (such as the manufacture of brooms, wallboard, etc.). Those best suited for grain production are of little value for syrup and, notwithstanding that all syrup varieties and most of the grain sorghums may be used as fodder, there are wide differences in the quantity as well as in the quality of the fodder obtained. It is quite important, therefore, to choose carefully the variety for planting. Confusion in the names of sorghum varieties is common. The same variety is grown and the seed marketed under many different names, and the same name is often applied to several varieties.

All varieties of sorghum are drouth-resistant, and are considered among the surest of dry-land crops. This point alone should encourage every farmer to plant at least a limited acreage. Grain sorghums are used for feeding various classes of stock, including horses, cattle, sheep, swine and poultry. Plant a feed crop this year and include the varieties of grain sorghums best adapted to your immediate section.

## • High Feeding Value

All varieties of sorghum are drought resistant, and are considered among the surest of dry-land crops.

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BROOM CORN

## BROOM CORN

Broom corn is a heat-loving plant, and the best brush is produced where the summers are rather warm and where soils are fertile and fairly well supplied with moisture. Plant any time between April 1st and July 1st, depending on locality and weather conditions. Plant in 3½-foot rows, 8 to 10 inches apart. 6 to 8 lbs. of seed plant an acre.

**IMPROVED EVERGREEN.** The most productive variety in humid sections. Has a beautiful green brush and usually commands a high price. Plants 8 to 15 feet tall.

Postpaid, 1 lb., 45c; 5 lbs., \$1.75; 10 lbs., \$3.25.

**SCARBROUGH DWARF.** The leading dwarf type. It differs from other varieties chiefly in bearing fewer seed, most of which are borne near the tip of the brush, where they are easily removed in stripping. Many fine seed branches near the tip of the brush make this variety valuable for the outside of brooms. Plants 4 to 6 feet tall.

Postpaid, 1 lb., 50c; 5 lbs., \$2.00; 10 lbs., \$3.75.

## HEGARI

Leaves are broad, long and numerous. The uniform and upright seed heads of white grains do not shatter. The fodder is relished by all livestock because the stalks are very sweet and juicy. Grows 4 to 5 feet high. Matures in 85 to 110 days. Close spacing of 2 to 4 inches apart in the row is recommended for forage. Sow 8 to 10 lbs. per acre. Also sown broadcast for hay at the rate of 40 to 50 lbs. per acre. Stands dry weather well.

Postpaid, 1 lb., 25c; 5 lbs., \$1.00; 10 lbs., \$1.75.

## DEMAND

That your seed dealer furnish you an authentic germination and purity test on all field seeds. If he can't do it, don't buy them.



A FIELD OF HEGARI



# BIG YIELDS of Forage, Grain, Syrup

## EGYPTIAN WHEAT OR SHALLU

Of special value in dry season; few forage plants are more drought-resistant. It grows tall, stools out three to six stalks from a single root. Cut when at the dough stage, and a second cutting may be had. For cattle, horses, sheep, hogs and poultry, the grain may be fed either whole or ground. Its long, graceful heads make beautiful house decorations. Plant in drills 3 feet apart, using 10 pounds of seed per acre; or broadcast, using from 2 to 4 bushels.

Postpaid, 1 lb., 25c; 5 lbs., \$1.00; 10 lbs., \$1.75.



YELLOW MILO MAIZE

## SYRUP CANE

**SAPLING SYRUP CANE (Formerly Arkansas Honey Drip).** This is the new name for an old tried and true variety of Syrup Cane. New name suggested by U. S. Dept. of Agriculture under their policy of clarifying types of syrup varieties to avoid confusion. Many state institutions are growing this cane year after year to produce their own syrup for their own use. Sapling is a medium early maturing variety of medium height, so you can be through before wet bad weather begins, an important item on a farm. It is very productive, producing 150 to 200 gallons of syrup per acre, of excellent quality—good, clear color, easy flowing syrup of splendid flavor; good for what ails you. While Sapling does not grow as tall as Ribbon Cane, its stalk is so full of juice that it will make up in quality and food value what it might lack in tonnage when used for silage purposes. Plant as early in May as possible. Eight to 10 pounds of seed will drill one acre. Cultivate like cotton, leaving plants about 10 to 12 inches apart in the row.

Postpaid, 1 lb., 40c; 5 lbs., \$1.50; 10 lbs., \$2.75.

## WHITE KAFFIR CORN

Kaffir Corn yields heavy crops. It adapts itself to a wide variety of soils; a long dry spell may stop its growth, but it starts again with the first rain. The grain as well as the plant makes a fine feed for stock, hogs, poultry and pigeons. With cow peas, sow broadcast one peck of Kaffir Corn to a bushel of peas; sown alone, 3 pecks to a bushel an acre broadcast; in drills 6 to 8 pounds an acre in 3½-foot rows. Plant from after the ground is thoroughly warm till early in June.

Postpaid, 1 lb., 25c; 5 lbs., \$1.00; 10 lbs., \$1.75.

## MILO MAIZE

**YELLOW MILO MAIZE.** A wonderful drought-resisting non-saccharine sorghum, thick succulent growth. Stools heavily. Makes fine feed, excellent silage when mixed with soy beans, peas. Grain is fattening for cattle and poultry. Plant on all soils when ground is warm in 3½ ft. rows. Same cultivation as corn, 6 to 8 pounds per acre. Postpaid, 1 lb., 25c; 5 lbs., \$1.00; 10 lbs., \$1.75.

**COMBINE MILO MAIZE.** Especially bred for combining. Grows only two to three feet tall, so there is little stalk to bother with. Makes an extra heavy yield of excellent fattening grain. Cultivate same as Yellow Milo Maize.

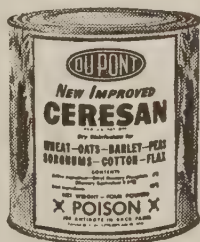
Postpaid, 1 lb., 25c; 5 lbs., \$1.00; 10 lbs., \$1.75.

## SAGRAIN

In feeding value has 90 per cent value corn; can be fed to hogs, chickens, cattle and work stock. Plant as early in the spring as frost will allow. Will then be ready to harvest when the crops are laid by, usually along about August 1st. Splendid in combination with Biloxi Soybeans. Eight to ten pounds will seed an acre, planted in 3- to 3½-foot rows.

Postpaid, 1 lb., 30c; 5 lbs., \$1.10; 10 lbs., \$2.00.

## NEW IMPROVED CERESAN



New Improved Ceresan usually controls both loose and covered kernel smuts of sorghums. It often improves stands by checking certain fungi that cause seed decay and frequently increases yields. A 4-oz. size of New Improved Ceresan is enough to treat 8 bu. of grain.

Postpaid, 35c.



EARLY AMBER CANE

## FODDER CANE

**EARLY AMBER CANE.** One of the earliest sorghums and furnishes a large yield of most nutritious forage which may be fed either green or cured. If grown with cow peas or soy beans the quality of the hay is improved and a more balanced ration may be had. The proportions recommended are 15 pounds Early Amber Cane, one-half bushel of soy beans and one bushel of cow peas to the acre broadcast. Grows 10 to 12 feet high. Sow broadcast 1 to 1½ bushels to the acre; 8 to 10 pounds plants an acre in 3½ to 4-foot rows.

Postpaid, 1 lb., 25c; 5 lbs., \$1.00; 10 lbs., \$1.75.

**EARLY ORANGE CANE.** About 10 days later than Early Amber Cane, but makes a taller and more leafy growth. It is recommended for fodder, of which it yields immense crops, frequently two cuttings a season, and stooling out thicker after cutting. It may be grown with soybeans and cow peas as recommended for Early Amber Cane and the quantity to plant an acre is the same. Sow 1 to 1½ bushels broadcast or 8 to 10 pounds in 3½ to 4-foot rows to an acre.

Postpaid, 1 lb., 25c; 5 lbs., \$1.00; 10 lbs., \$1.75.

**RED TOP or SUMAC.** Grown extensively in Middle Tennessee. Succeeds well in that section. Very sweet and one of the best for hay. Sow 1 to 1½ bushels broadcast or 8 to 10 pounds in 3½ to 4-foot rows to an acre. Postpaid, 1 lb., 25c; 5 lbs., \$1.00; 10 lbs., \$1.75.

## GROHOMA

This new forage and grain crop, after thorough trials has been found very satisfactory. Stock of all kinds like it, in fact they eat every particle of the stalk, leaves and head. Plant from April 1st to July 1st in good soil. Make rows 4 feet apart, drop seed 12 inches. Since it stools considerably, very little seed is required. Plant 4 to 5 pounds to the acre.

Postpaid, 1 lb., 35c; 5 lbs., \$1.25; 10 lbs., \$2.25.

## SPECIAL WARNING ON SYRUP CANE

Syrup Canes are mighty easy to hybridize with other non-syrup varieties of cane, Sudan, Broomcorn, etc. Many failures in syrup making attempts are reported from year to year. For that reason we offer only one variety, Sapling (formerly called Arkansas Honey Drip) for our seed of Sapling came to us with the approval of Arkansas Plant Board. It has been producing fine crops of syrup for years. We hope it will produce as well for you.



A FIELD OF WHITE KAFFIR CORN



# Winter Pasture and Cover Crops

## ABRUZZI RYE

If sown on good land in late August or early September it will be ready for grazing in about six weeks, and will furnish abundant grazing for several months if not grazed too close. Unless wanted for grazing, do not sow before late September, as it may go to seed during the fall; late October or early November is early enough to sow for a grain crop. Because it stools so heavily and so rapidly 3 pecks to one bushel ample to seed an acre. Prices quoted in August.

## COMMON RYE

It is cheaper in price and can be sown from August 15 to December 15 for grazing and erosion control. Can be sown with no preparation in corn and other row crops in late August for winter and spring grazing. Sow 1 to 1 1/4 bushels per acre. Prices quoted in August.

## BALBO RYE

Balbo Rye is characterized by a rapid, upright habit of growth. In this respect it is very much like Abruzzi. The upright habit, coupled with the rapidity of growth, makes Balbo of outstanding value for early pasturage. Sow 1 to 1 1/4 bushels per acre. Prices quoted in August.

## BEARDED BARLEY

More winter hardy than the beardless varieties, therefore more desirable for grain production. All barley can be sown with Crimson Clover and both will make almost a normal yield of seed. Can be harvested at same time since they ripen together and the seed are easily separated. Sow 1 1/2 to 2 bushels per acre. Prices quoted in August.

## BEARDLESS BARLEY

It makes a quick growing, excellent fall and winter pasture, controlling erosion unusually well. Also a heavy yielding grain crop especially desirable for hogging off since it has no beards. Sow 1 1/2 to 2 bushels per acre. Prices quoted in August.

## BEARDLESS WHEAT

Good for grain production and if cut when "in dough" makes an excellent hay crop. Splendid for pastures. October and November are the best planting months. Sow 1 1/4 to 1 1/2 bushels per acre. Prices quoted in September.

## WINTER HAIRY VETCH

One of the best winter legumes and green manure crops. A fair feed and grazing crop. Rarely ever winter-killed in the South. Grows on almost any well drained soil. Sow in September and October in cotton middles or with rye, wheat, oats, or barley, as vetch grows better if kept off the ground. Sow 15 to 30 pounds per acre, not too deep, have surface worked and compact, also free of weeds. Prices quoted in August.

## HUNGARIAN VETCH

Not as winter-resistant as Hairy, but nearly so. Does not grow as tall as Hairy, but its tonnage will surprise you. Grows off quicker in spring than Hairy and is more disease-resistant. Seed is cheaper per pound than Hairy, but being larger, you must plant more per acre. Culture same as Hairy Vetch. Be sure to inoculate. Prices quoted in August.

## AUSTRIAN WINTER PEAS

Sown for the same purpose as vetch in September and October. Grows much like an English pea, upright and is ready to turn under a little earlier than vetch. Not as winter-resistant as vetch but usually stands 12 degrees above zero. Sow 20 to 25 pounds seed per acre in cotton middles. When sown broadcast with grain use 25 pounds Winter Peas and 3 pecks Abruzzi Rye or 1 bushel wheat or two bushels oats per acre. Be sure to inoculate with Nitragin. Prices quoted in August.



This 17-acre field of Victorgrain Oats planted with 1/2 bushel per acre averaged 74.3 bushels per acre. However, we recommend 1 1/2 bushels seeding per acre over here. This variety combines a high degree of leaf rust resistance, smut resistance and cold resistance.

# New and Improved OATS

## WHEN AND HOW TO PLANT OATS

For spring sowing, February through March is preferred, on good soil. If soil is poor, 500 pounds of Basic Slag per acre will bring much improved yield. Sow 1 to 2 bushels per acre. For hay, cut when oats are about half mature, in milk stage.

## FERGUSON—922 OATS

This oat developed by Ferguson Seed Breeding Farm in Texas and is a superior strain of the old Texas Red Rust-Resistant oat. In the prairie or rice section of Arkansas Ferguson 922 has been very popular, giving outstanding results. Ferguson 922 is about ten days to two weeks later than Fulgrain. It is well to plant some of both so your combine can handle both crops to advantage.

For prices see Green Ink List enclosed.

## NEW NORTEX OATS

An improved strain of the long popular Red Rust Resistant Oat, which has stood right at the top in yield of grain per acre, for a number of years in tests over the entire South. An excellent oat for either spring or fall planting, however, if sown in the spring early planting is advisable. Very winter hardy and resistant to rust and smut. They stool heavily furnishing an excellent spring pasture over a longer period than some of the earlier maturing oats.

For prices see Green Ink List enclosed.

## COLUMBIA SPRING OATS

A very desirable, extremely early spring oat, very similar, but, in our opinion, superior to the long popular Early Burt variety. Even when planted a little late, will mature before hot weather. Produces large, heavy, well filled heads of plump grain on stiff, strong stems which do not blow down easily. Sown alone or with rape on rich land will furnish more pasture in less time than any other spring crop.

For prices see Green Ink List enclosed.

## COKER'S FULGRAIN OATS

Coker's Fulgrain oats are the earliest maturing oats known, the heaviest producing that we know of anywhere. They are very cold resistant. Yields of 60 to 90 bushels are common and one record crop of 138 bushels per acre was recorded. Sow 1 1/2 bushels per acre. This is ample because Fulgrain stools profusely. It is about the best grazing oat known.

For prices see Green Ink List enclosed.

## COKER'S STANTON OATS

A rather tall growing, cold and leaf rust resistant variety suitable for grain, hay or green feed. Coker's Stanton oat is of medium late maturity and is highly resistant to cold, leaf rust and most races of smut. It combines features that make it attractive to livestock feeders and dairymen. It makes a profuse leaf growth; grows rather tall and provides more green feed, more hay or a greater tonnage of ensilage per acre.

For prices see Green Ink List enclosed.

## COKER'S VICTORGRAIN OATS

The considerable cold resistance of Coker's Victorgrain oat combined with its high degree of resistance to leaf rust and medium early maturity, makes it possible to grow this variety successfully under wide range of conditions and over sizeable territory. The heads are long and well balanced; the grains are attractive and bright, resisting weather stain. The plump, well-filled berry is high in feeding value with a low percentage of hull.

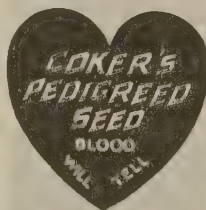
For prices see Green Ink List enclosed.

## NEW TENNESSEE WINTER HARDY OATS

Tennessee Experiment Station has developed three very fine winter hardy varieties—Fulwin, Tennex and Forkedeer. All vigorous growers, prolific stoolers, excellent for grazing. Fulwin ranks first in winter hardiness, Forkedeer yields slightly more than other two, and Tennex is 7 to 10 days earlier than Fulwin or Forkedeer.

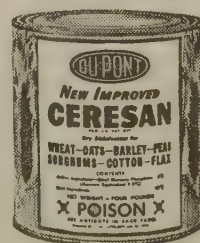
For prices see Green Ink List enclosed.

## WE ARE EXCLUSIVE REPRESENTATIVES



in the Memphis Territory for  
**COKER PEDIGREED SEED CO.**  
HARTSVILLE, S. C.  
ON SEED OATS,  
WHEAT AND RYE

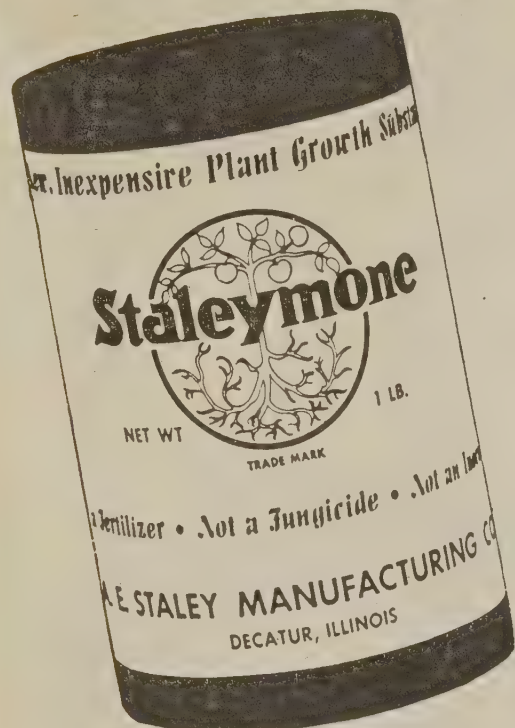
## NEW IMPROVED CERESAN



The treatment of wheat, oats, barley and rye is now a standard crop practice recommended by most state experiment stations and the United States Department of Agriculture. A 4-oz. size of New Improved Ceresan is enough to treat 8 bu. of grain. Postpaid, 35c.



# Announcing . . . "Staleymone"



This is the new plant growth substance which so many growers have been using this year. "Staleymone" has been designed for the use of farmers and gardeners who want to increase yields, and improve the quality of crops, vegetables, flowers and grasses; to lessen the drop of blossoms on crops such as cotton, and to diminish the shock of transplanting shrubs, plants and trees.

"STALEYMON" IS NOT a fertilizer—a fungicide—nor an inoculant. . . . Where these materials are ordinarily used to treat seed before planting, their use should be continued when "Staleymone" is used . . . these materials can be used in combination without impairing the effectiveness of either substance.

Seeds dusted with "Staleymone" germinate earlier and the plants put forth stronger root systems than untreated seeds, and as a result grow faster and produce sturdier plants capable of withstanding greater climatic hardships than those that are untreated.

Treating plants, trees and shrubs at transplanting time with "Staleymone" hastens the root development in their new location and overcomes much of the loss from wilting and shock. . .

"Staleymone" may be used with safety on all plant life, if used according to directions enclosed in the container.

## FARM SIZES

5 lbs. ....	\$ 2.60
25 lbs. ....	5.30
100 lbs. ....	16.10

The above Prices are F.O.B. Memphis

## GARDEN SIZES

Oz. ....	\$ 0.30
1/2 lb. ....	.60
Lb. ....	1.10

The above Prices are Postpaid

APPROX. 70,000,000 LBS. OF AIR-NITROGEN ABOVE EVERY ACRE.  
THIS IS AVAILABLE FREE FOR SOIL AND CROP IMPROVEMENT IF YOU

## CONVERT LEGUME SEEDS INTO FERTILIZER PLANTS

Inoculating by with  
**NITRAGIN**  
SINCE 1898

ALFALFA RED CLOVER SWT. CLOVER COWPEAS PEAS VETCH A.W. PEAS SOYBEANS LESPEDEZA PEANUTS BEANS ALL-LEGUMES

### BUILD UP YOUR SOIL — Inoculate Your Legumes With NITRAGIN

Inoculate your Legume seeds even tho planted on fields that have been inoculated before. Field tests have shown that better crops are harvested when Legume seeds are inoculated even when planted on fields where inoculated seeds of the same Legume crops had grown the previous year.

#### 1945 NITRAGIN INOCULATION PRICES. When Ordering, ALWAYS State Name of Seed

ALFALFA Sweet, Bur, Hubam Clovers	
Size	Retail
1 bu. ea. ....	\$.50
2 1/2 bu. ea. ....	1.00

CLOVERS Medium & Mammoth Red, Alsike, Crimson & White Clovers	
1 bu. ea. ....	\$.50
2 1/2 bu. ea. ....	1.00

PEAS (All Varieties) VETCHES (All Varieties)	
Size	Retail
100 lbs. (Inoculates up to 100 lbs. seed) ea. ....	\$.50
1200 lb. size ea. ....	5.70
(12-100 lb. size cans)	

LUPINES (All Varieties)	
100 lbs. (Inoculates up to 100 lbs.) ea. ....	\$.50

BEANS—Navy, Pinto, Wax, String, Kidney, Gr. Northern	
1 bu. ea. ....	\$.35

LESPEDEZA	
Size	Retail
100 lb. size (Inoculates up to 100 lbs. seed) ....	\$.50

SOYBEANS (All Varieties)	
Small (Inoculates up to 120 lbs. seed) ....	\$.30
5 bu. ea. ....	.55
25 bu. (one can) ea. ....	2.50
30 bu. (one ctn.) ea. ....	3.25
(Contains 6-5 bu. cans)	

PEANUTS, LIMA BEANS, COW PEAS	
Size	Retail
Small (Inoculates up to 120 lbs. seed) ....	\$.30
5 bu. ea. ....	.55
25 bu. (one can) ea. ....	2.50
30 bu. (one ctn.) ea. ....	3.25
(Contains 6-5 bu. cans)	

GARDEN SIZE Garden Peas and Beans Sweet Peas, Lupines and Edible Soybeans	
Enough for 8 lbs. seed	
Retail Price 10c each.	

**NITRAGIN — the Oldest and Most Widely Used Inoculator in America**

Order by letter—like  
Nitragin A-B-C-D-  
E-L-S or garden size.  
Everything shown in  
each group is inocu-  
lated by that particu-  
lar Nitragin.

<b>A</b>	Alfalfa Sweet Clover, Burr Clover, Hubam Clover, Black Medic
<b>B</b>	Clovers Medium and Mammoth Red, Alsike, Crimson, Persian, Ladino, Hop, and White Clovers
<b>C</b>	ALL VETCHES Hairy, Spring, Wild, Hungarian, Common Peas Austrian, Canadian Garden and Sweet Broad Beans, Lentils
<b>D</b>	Beans String, Snap, Wax, Navy, Kidney, Pinto, and Scarlet Runner
<b>E</b>	Peanuts, Cowpeas and Velvet Beans Lima Beans, Mung Beans, Kudzu, Crotalaria, Alyce Clover and Beggar Weed
<b>L</b>	Lespedeza All varieties Unhulled or hulled, and Sericea
<b>S</b>	Soy Beans All varieties, includ- ing Edible Soy Beans
<b>Garden Size</b>	Garden Peas, Sweet Peas Beans, Lima Beans and Lupines



FIELD AND GARDEN SEED PLANTING TABLE

COMPLETE CULTURAL DIRECTIONS ARE ALSO GIVEN UNDER EACH SEED HEADING

FIELD SEED	When to Plant	Quantity for an Acre	Distance Between Rows	Distance Apart in the Row	Depth to Plant	Pounds to the Bushel
Alfalfa.....	Mar., Apr.—Sept., Oct.	25 to 30 lbs.	Broadcast	Broadcast	¾ to 1 in.	60 lbs.
Barley.....	Sept., Oct.	1½ bu.	Broadcast	Broadcast	2 ins.	48 lbs.
Beet, Mangel Stock.....	March, April, May	8 to 10 lbs.	18 to 24 in.	8 ins.	1 in.	30 lbs.
Broom Corn.....	April, May, June	6 to 8 lbs.	3½ ft.	8 to 10 ins.	1 in.	48 lbs.
Clover, Alsike.....	Mar. to May—Sept.	6 to 8 lbs.	Broadcast	Broadcast	¾ to 1 in.	60 lbs.
Clover, Alyce.....	May, June	15 to 20 lbs.	Broadcast	Broadcast	½ in.	60 lbs.
Clover, Black Medic.....	Mar., Apr.—Sept., Oct.	15 to 20 lbs.	Broadcast	Broadcast	½ in.	60 lbs.
Clover, Burr.....	Aug., Sept., Oct.	30 to 50 lbs.	Broadcast	Broadcast	½ in.	10 lbs.
Clover, Burr, in Cotton rows.....	Aug., Sept., Oct.	20 to 25 lbs.	Side of row	3 to 4 ins.	½ in.	10 lbs.
Clover, Crimson.....	Aug., Sept., Oct.	15 to 18 lbs.	Broadcast	Broadcast	½ in.	60 lbs.
Clover, Hop.....	Feb., Mar., Apr.—Sept.	10 to 12 lbs.	Broadcast	Broadcast	¼ in.	60 lbs.
Clover, Sweet Melilotus.....	Mar., Apr.—Sept., Oct.	15 to 25 lbs.	Broadcast	Broadcast	¼ in.	60 lbs.
Clover, Persian.....	Feb., Apr.—Sept., Oct.	6 to 8 lbs.	Broadcast	Broadcast	½ in.	60 lbs.
Clover, Red.....	Mar., Apr.—Sept., Oct.	8 to 10 lbs.	Broadcast	Broadcast	½ in.	60 lbs.
Clover, White Dutch.....	Feb., Mar.—Sept., Oct.	4 to 6 lbs.	Broadcast	Broadcast	¼ in.	60 lbs.
Corn, Field.....	April to August	4 to 6 qts.	3½ to 4 ft.	18 to 24 ins.	2 ins.	56 lbs.
Crotalaria.....	April, May, June	20 lbs.	Broadcast	Broadcast	½ to ¾ in.	40 lbs.
Crotalaria, Drilled.....	April, May, June	10 to 15 lbs.	2 ft.	10 to 12 ins.	½ to ¾ in.	40 lbs.
Cotton Seed.....	April, May, June	1 bu.	3½ to 4 ft.	12 to 15 ins.	¾ to 1 in.	32 lbs.
Egyptian Wheat, Shalla.....	May, June, July	10 to 12 lbs.	3½ ft.	12 to 15 ins.	1½ to 2 ins.	50 lbs.
Feterita.....	May, June, July	5 to 8 lbs.	3½ to 4 ft.	4 to 5 ins.	1½ to 2 ins.	50 lbs.
Kaffir Corn.....	May, June, July	6 to 8 lbs.	3½ to 4 ft.	4 to 6 ins.	1½ to 2 ins.	50 lbs.
Hegari.....	April, May, June	8 to 10 lbs.	3½ to 4 ft.	4 to 6 ins.	1 to 1½ ins.	50 lbs.
Grass, Bermuda.....	April to June—Sept.	10 to 12 lbs.	Broadcast	Broadcast	¼ in.	40 lbs.
Grass, Blue.....	Feb. to April—Sept., Oct.	20 to 30 lbs.	Broadcast	Broadcast	½ in.	14 lbs.
Grass, Carpet.....	March, April—Sept.	10 to 15 lbs.	Broadcast	Broadcast	½ in.	10 lbs.
Grass, Dallas.....	March, April, May	8 to 10 lbs.	Broadcast	Broadcast	½ in.	10 lbs.
Grass, Lawn.....	Feb., Mar.—Sept., Oct.	60 to 75 lbs.	Broadcast	Broadcast	½ in.	14 lbs.
Grass, Orchard.....	Feb. to Apr.—Sept., Oct.	21 to 28 lbs.	Broadcast	Broadcast	½ in.	14 lbs.
Grass, Red Top, Herds.....	Feb. to Apr.—Sept., Oct.	8 to 10 lbs.	Broadcast	Broadcast	½ in.	14 lbs.
Grass, Pasture.....	Feb. to Apr.—Sept., Oct.	25 to 35 lbs.	Broadcast	Broadcast	½ in.	14 lbs.
Grass, Winter Rye.....	Sept., Oct., Nov.	35 lbs.	Broadcast	Broadcast	½ in.	24 lbs.
Grohoma.....	April, May, June	4 to 5 lbs.	3½ to 4 ft.	8 to 10 ins.	1 to 1½ ins.	50 lbs.
Hegari.....	May, June, July	8 to 10 lbs.	3½ to 4 ft.	4 to 5 ins.	1½ to 2 ins.	50 lbs.
Lespedeza.....	Feb., Mar., April	1 bu.	Broadcast	Broadcast	¼ in.	25 lbs.
Lespedeza Sericea.....	April, May	20 to 30 lbs.	Broadcast	Broadcast	¼ in.	40 lbs.
Lespedeza Sericea, Drill.....	April, May	3 to 4 lbs.	3 ft.	6 to 8 ins.	¼ in.	40 lbs.
Millet, Tenn. Golden.....	April to August	1 to 1½ bus.	Broadcast	Broadcast	½ in.	50 lbs.
Millet, Pearl.....	May, June, July	8 to 10 lbs.	3 to 3½ ft.	4 to 6 ins.	½ in.	48 lbs.
Millet, Barnyard.....	May, June, July	20 to 25 lbs.	Broadcast	Broadcast	½ in.	50 lbs.
Milo Maize.....	May, June, July	6 to 8 lbs.	3 to 3½ ft.	4 to 5 ins.	1 in.	50 lbs.
Mung Beans.....	May, June, July	20 lbs.	3 to 3½ ft.	2 to 4 ins.	1 in.	60 lbs.
Oats.....	Feb., Mar.—Sept., Oct.	2 to 2½ bus.	Broadcast	Broadcast	1 to 2 ins.	32 lbs.
Peanuts.....	May, June	40 to 60 lbs.	3 to 3½ ft.	10 to 12 ins.	2 ins.	22 lbs.
Peas, Stock.....	May, June, July	1½ to 2 bus.	Broadcast	Broadcast	2 ins.	60 lbs.
Peas, Austrian Winter.....	Aug. to Nov.	30 to 35 lbs.	Broadcast	Broadcast	2 ins.	60 lbs.
Potatoes, Irish.....	Feb. to Apr.—July, Aug.	8 to 10 bus.	3 to 3½ ft.	15 to 18 ins.	4 ins.	60 lbs.
Rape, Essex.....	Feb. to Apr.—Aug. to Oct.	4 to 8 lbs.	2 to 3 ft.	4 to 6 ins.	½ in.	50 lbs.
Rye, Abruzzi.....	Sept., Oct., Nov.	¾ to 1 bu.	Broadcast	Broadcast	2 ins.	56 lbs.
Sagrain.....	Apr., May, June, July	8 to 10 lbs.	3 to 3½ ft.	4 to 5 ins.	1 in.	50 lbs.
Sorghum, Drill.....	Apr., May, June, July	8 to 10 lbs.	3½ to 4 ft.	4 to 5 ins.	1 in.	50 lbs.
Sorghum, for Hay.....	Apr., May, June, July	50 to 75 lbs.	Broadcast	Broadcast	1 in.	50 lbs.
Sorgo.....	May, June, July	5 to 10 lbs.	3½ to 4 ft.	4 to 5 ins.	1½ to 2 ins.	50 lbs.
Soy Beans, Small Seed.....	Apr., May, June, July	1 bu.	Broadcast	Broadcast	1 to 2 ins.	60 lbs.
Soy Beans, Large Seed.....	Apr., May, June, July	1½ bus.	Broadcast	Broadcast	1½ to 3 ins.	60 lbs.
Sudan Grass.....	Apr., May to Aug.	25 to 30 lbs.	Broadcast	Broadcast	1 in.	40 lbs.
Sunflower.....	May, June	6 to 8 lbs.	3½ to 4 ft.	15 to 18 ins.	1 in.	25 lbs.
Timothy.....	March, April—Sept., Oct.	15 lbs.	Broadcast	Broadcast	¾ to 1 in.	45 lbs.
Vetch, Winter Variety.....	Aug. to Nov.	20 to 30 lbs.	Broadcast	Broadcast	2 ins.	60 lbs.
Velvet Beans.....	May, June	¼ to ½ bu.	4 to 5 ft.	2 to 2½ ft.	3 to 4 ins.	60 lbs.
Wheat.....	Sept., Oct., Nov.	5 pks.	Broadcast	Broadcast	2 ins.	60 lbs.

GARDEN SEED	When to Plant	Quantity for an Acre	Distance Between Rows	Distance Apart in the Row	Depth to Plant	Quantity for 100 Feet
Asparagus Seed.....	February, March	2 to 3 lbs.	18 to 24 in.	6 to 8 in.	1 in.	2 ozs.
Beans, Bush.....	April, May—July, Aug.	60 lbs.	2 to 3 ft.	3 to 4 in.	1 in.	1 lb.
Beans, Pole.....	April, May—July, Aug.	15 to 20 lbs.	3 to 4 ft.	1½ to 2 ft.	1 in.	½ to ¾ lb.
Beets, Garden.....	March, April—July, Aug.	6 to 8 lbs.	2 to 2½ ft.	3 to 4 in.	1 in.	2 ozs.
Broccoli.....	March, April—July, Aug.	¼ to ½ lb.	2½ to 3 ft.	15 to 18 in.	½ in.	2 pkts.
Brussels Sprouts.....	March, April—July, Aug.	¼ to ½ lb.	2½ to 3 ft.	15 to 18 in.	½ in.	2 pkts.
Cabbage Seed.....	February to October	¼ to ½ lb.	18 to 24 in.	18 to 24 in.	½ in.	2 pkts.
Cantaloupe.....	April to August	2 to 3 lbs.	4 to 6 ft.	4 to 6 ft.	¾ to 1 in.	1 oz.
Cauliflower.....	Feb., Mar.—July, Aug.	¼ lb.	2½ to 3 ft.	18 to 24 in.	½ in.	2 pkts.
Carrot.....	February to September	4 to 5 lbs.	2 to 3 ft.	3 to 4 in.	½ in.	1 oz.
Celery.....	February, March	¼ to ½ lb.	2½ to 3 ft.	4 to 5 in.	¼ in.	2 pkts.
Collards.....	Spring to Fall	1 to 2 lbs.	2½ to 3 ft.	12 to 18 in.	½ in.	1 oz.
Corn, Garden.....	March to August	12 to 14 lbs.	3½ to 4 ft.	18 to 24 in.	2 in.	½ lb.
Cucumber.....	April to August	2 to 3 lbs.	4 to 5 ft.	4 to 5 ft.	1 in.	1 oz.
Eggplant.....	March to July	½ lb.	3 to 3½ ft.	2 to 3 ft.	¼ in.	2 pkts.
Endive.....	March to August	1 lb.	2 to 3 ft.	12 to 15 in.	½ in.	2 pkts.
Kale.....	Spring to Fall	2 to 3 lbs.	2 to 3 ft.	6 to 8 in.	½ in.	1 oz.
Kohlrabi.....	March to September	1 lb.	2 to 3 ft.	5 to 6 in.	½ in.	1 oz.
Lettuce.....	February to September	2 lbs.	24 to 30 in.	6 to 12 in.	¼ in.	1 oz.
Leek.....	March to September	2 lbs.	12 to 24 in.	4 to 8 in.	½ in.	1 oz.
Mustard.....	February to October	2 to 3 lbs.	2 to 3 ft.	3 to 4 in.	½ in.	1 oz.
Okra.....	April to July	8 to 10 lbs.	3 to 4 ft.	12 to 18 in.	1 in.	¼ lb.
Onion Seed.....	February to September	3 to 4 lbs.	24 to 30 in.	3 to 4 in.	½ in.	1 oz.
Onion Sets.....	February to November	8 to 10 bus.	24 to 30 in.	3 to 4 in.	1 in.	1 qt.
Parsley.....	February to September	5 to 6 lbs.	18 to 24 in.	3 to 4 in.	1 in.	1 oz.
Parsnip.....	February to August	5 to 6 lbs.	18 to 24 in.	4 to 6 in.	1 in.	1 oz.
Pepper.....	March to July	¼ lb.	2 to 3 ft.	18 to 24 in.	¼ in.	2 pkts.
Peas, Garden.....	February to July	60 to 75 lbs.	2½ to 3 ft.	3 to 4 in.	1 in.	1 lb.
Pumpkin.....	April to July	2 to 3 lbs.	8 to 10 ft.	8 to 10 ft.	1 in.	1 oz.
Radish.....	February to October	8 to 10 lbs.	18 to 24 in.	1 to 2 in.	½ in.	2 ozs.
Salsify.....	March to July	6 to 8 lbs.	18 to 24 in.	3 to 4 in.	½ in.	2 ozs.
Spinach.....	January to October	8 to 10 lbs.	2 to 3 ft.	1 to 2 in.	1 in.	2 ozs.
Squash.....	April to August	2 to 3 lbs.	3 to 4 ft.	3 to 4 ft.	1 in.	1 oz.
Tomato.....	February to July	¼ lb.	4 to 5 ft.	3 to 4 ft.	½ in.	1 pkt.
Turnip.....	February to October	2 to 3 lbs.	2 to 2½ ft.	2 to 3 in.	½ in.	1 oz.
Watermelon.....	April to July	2 to 3 lbs.	8 to 10 ft.	8 to 10 ft.	1 in.	1 oz.



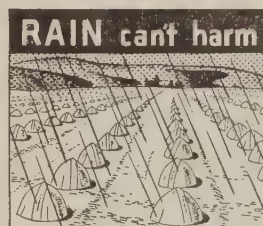
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FOR EARLIER, BIGGER CROPS  
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Germaco HOTKAPS—strong little hothouses—protect plants from destructive frost, storms, insects, promote bigger fruits and vegetables, ripen plants three weeks earlier. Scientific tests, by Agricultural Experiment Station of a leading University, over three-year period show that the average yield per acre of **early** marketable crops with HOTKAPS is nearly twice as great as **without** HOTKAPS. Since early-to-market means high out-of-season prices, HOTKAPS return you a handsome profit. Quick, easy to set, instructions on package. One hundred million used by successful growers. Beat everyone with first vegetables, flowers. Crop failure is costly—HOTKAPS protection is cheap! Order today.



### PRICES ON HOTKAPS

25 Hotkaps with Paper Setter .....	Postpaid \$ .60
100 Hotkaps with Fibreboard Setter .....	Postpaid 2.15
250 Hotkaps with Fibreboard Setter .....	Postpaid 3.75
500 Hotkaps with Fibreboard Setter .....	Postpaid 6.45
1000 Hotkaps without Setter .....	Postpaid 11.60
5000 Hotkaps without Setter .....	F.O.B. Memphis 53.75
For F.O.B. Memphis prices on the 25, 100, 250, 500 and 1000 sizes see Green Ink Price List enclosed.	

### SETTERS



Fibreboard Garden Setter



Steel Setter

### PRICES ON HOTKAP SETTERS

Fibreboard Garden Setter.....	Postpaid \$ .35
Steel Setter .....	Postpaid 1.55



## TOP NOTCH HOME GARDEN COLLECTION

1/2 lb. BEANS, BUSH.....	25c	1 pkt. LETTUCE .....	5c
1/2 lb. BEANS, POLE.....	25c	1 oz. MUSTARD .....	10c
1/2 lb. BEANS, BUTTER.....	25c	1 pkt. OKRA .....	5c
1 oz. BEETS .....	15c	1/2 lb. PEAS, ENGLISH.....	20c
1 pkt. CABBAGE .....	5c	1 oz. RADISH .....	10c
1 pkt. CARROT .....	5c	1 pkt. SQUASH .....	5c
1/2 lb. CORN, SWEET .....	25c	1 pkt. TOMATO .....	5c
1 pkt. CUCUMBER .....	5c	1 oz. TURNIP .....	10c

**16 STANDARD VARIETIES  
\$2.00 VALUE FOR ONLY**

**\$1.00**  
Postpaid

**RUSSELL-HECKLE'S  
TOP NOTCH ...**

# GARDEN SEED

**Plant for Victory  
and Health**



MARY WASHINGTON

### ASPARAGUS

**MARY WASHINGTON ROOTS.** Color green with slight purplish tinge. Set in 4-foot rows, 16 inches apart. Place crown 4 to 5 inches below surface of the ground. Have beds enriched with rotted manure. Keep beds well cultivated. Don't cut asparagus the first season.

Two-year roots, postpaid, doz., 85c; 25 for \$1.50; 50 for \$2.75; 100 for \$5.00.

**MARY WASHINGTON SEED.** Culture — Sow outdoors in February and March in 18-inch rows, dropping two seeds every 6 inches, cover seed 1 inch. One ounce will sow 50 feet of row and produce 200 plants. Postpaid, pkt., 5c; oz., 20c; 1/4 lb., 50c; 1/2 lb., 85c; 1 lb., \$1.50.

### ARTICHOKE

**JERUSALEM GIANT.** (120 days.) Excellent for fattening hogs—they grow like potatoes. No garden should be without a few rows for delightful pickles. Chopped artichokes are claimed to be fine laying food for poultry, feeding 2 lbs. a week for 15 hens. Plant in 4-foot rows, 18 inches apart, any time in March or April. Postpaid, 1 lb., 30c; 5 lbs., \$1.00; 10 lbs., \$1.75.

### BROCCOLI

**GREEN SPROUTING CALABRESE.** (90 days.) A decidedly fine variety. The plant forms a solid, large green head. When the central head is cut, sprouts come out from the leaf axis, each terminating in a small head as good as the first. The seed should be sown and cared for in the same way as cabbage or cauliflower. Postpaid, pkt., 10c; 1/2 oz., 20c; oz., 30c; 2 oz., 50c; 1/4 lb., 90c; 1/2 lb., \$1.60; 1 lb., \$3.00.

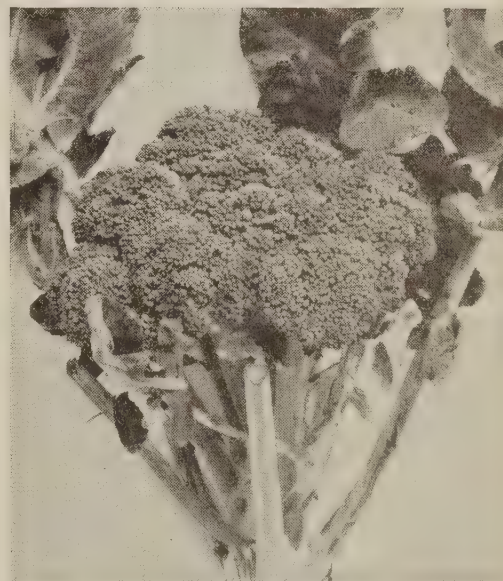
### BRUSSELS SPROUTS

**LONG ISLAND IMPROVED.** (100 days.) An erect growing plant whose stalk is closely covered with light green buds resembling small cabbages. Sow seed in March or April one-half inch deep, transplant later to open rows two feet apart. Cultivate like cabbage. They can be sown outdoors April 1st. Two packets will drill 100 ft. Postpaid, pkt., 15c; 1/2 oz., 35c; oz., 55c; 2 oz., \$1.00; 1/4 lb., \$1.85; 1/2 lb., \$3.50; 1 lb., \$6.75.

### BROCCOLI AND BRUSSELS SPROUT PLANTS

Ready March 15th

Postpaid, 25, 60c; 50, \$1.00; 100, \$1.75



GREEN SPROUTING

See Green Ink List

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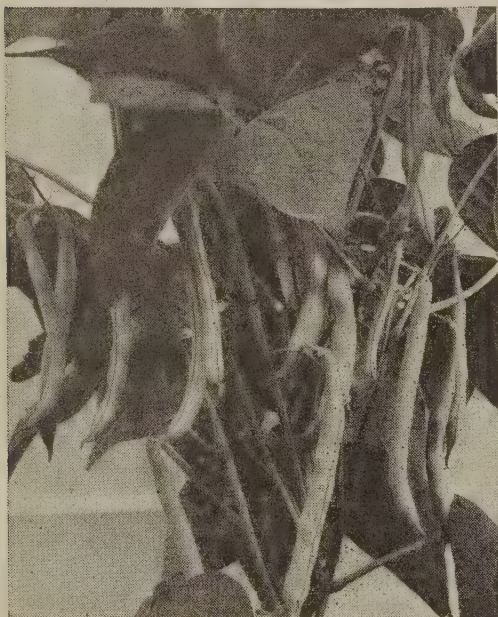
RUSSELL-HECKLE



# GROW *Choice* NEW CROP BEANS

## BUSH OR SNAP BEANS

**Culture**—1 lb. of seed will sow 100 feet of row; 60 lbs. will plant one acre. Begin planting in this section about the middle of March and make plantings three or four weeks apart up to September 1st. This will give green beans all through the season. Keep young beans picked—do not let them go to seed; it will prolong the bearing season of the plants. Sow in drills 2 to 3 ft. apart, dropping a bean every 3 or 4 inches, cover about 1 inch, plant in good, loamy soil, avoid heavy clay or cold places, cultivate often until vines begin to bloom. For best results inoculate seed with Nitragin and mix 4 pounds of Vigoro Fertilizer per 100 feet of row before planting.



**BOUNTIFUL**

**BOUNTIFUL.** (48 days.) Is the earliest of the green varieties. A very productive bean; pods are about 5 inches long, straight, handsome, light green and flat. Postpaid, pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.50; 10 lbs., \$2.75.

**BURPEE'S STRINGLESS GREEN POD.** (53 days.) One of the finest green varieties. Pods round, medium green, 5½ inches long, slightly curved, thick, meaty and juicy; perfectly stringless. Postpaid, pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.50; 10 lbs., \$2.75.

**LANDRETH STRINGLESS GREEN POD.** (50 days.) It is popular throughout truck gardening, shipping, and canning area. Similar to Burpee's Stringless Green Pod Imp. Postpaid, pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.50; 10 lbs., \$2.75.

**DWARF HORTICULTURAL (Speckled Cranberry; Dwarf Cherry).** (54 days.) Used for snap beans; also for green shelled beans. Pods green at early stage, splashed with carmine at maturity; thick-flat, stringless. Postpaid, pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.50; 10 lbs., \$2.75.

**FULL MEASURE.** (52 days.) A fine green podded bush bean of handsome appearance with round green beans measuring 5 to 5½ inches long and ¼ inch thick. They are brittle, tender, fleshy and stringless. Postpaid, pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 80c; 5 lbs., \$1.75; 10 lbs., \$3.25.

**GIANT STRINGLESS GREEN POD.** (53 days.) An excellent variety. Pods round, medium green, 6 inches long, fairly straight, brittle, very fleshy and entirely stringless. Postpaid, pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.50; 10 lbs., \$2.75.

**TENDERGREEN STRINGLESS.** (54 days.) The plants make a strong and vigorous growth. The pods grow 6 to 7 inches long. Round, green, extremely meaty, and tender. Even when fully grown they are absolutely stringless. Postpaid, pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 80c; 5 lbs., \$1.75; 10 lbs., \$3.25.

**STRINGLESS BLACK VALENTINE.** (53 days.) A good producer and shipper; has long, practically straight oval pods of good color and texture and is completely stringless. Postpaid, pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.50; 10 lbs., \$2.75.

**STRINGLESS RED VALENTINE.** (52 days.) Plant medium size, erect, very productive. Pods 4 to 5 inches long, medium green, round, curved, slim with crease in back; very fleshy, crisp and tender. Postpaid, pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.50; 10 lbs., \$2.75.

**IMPROVED GOLDEN WAX.** (53 days.) A real early wax pod stringless type, that is standard for the home garden. Superior quality, flat, straight pods, 4 inches long. Postpaid, pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.50; 10 lbs., \$2.75.

**PENCIL POD BLACK WAX.** (55 days.) The leading wax variety for home and market gardens. Pods round, slightly curved, fleshy, golden yellow, tender, entirely stringless, brittle and without fiber. Postpaid, pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.50; 10 lbs., \$2.75.

**TENNESSEE GREEN POD.** (52 days.) Plant medium large, spreading, hardy and productive. Pods flat, broad and quite irregular in shape, medium green, 6 to 7 inches long, curved, slightly stringy, but of good flavor. Postpaid, pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.50; 10 lbs., \$2.75.



**GOLDEN WAX**

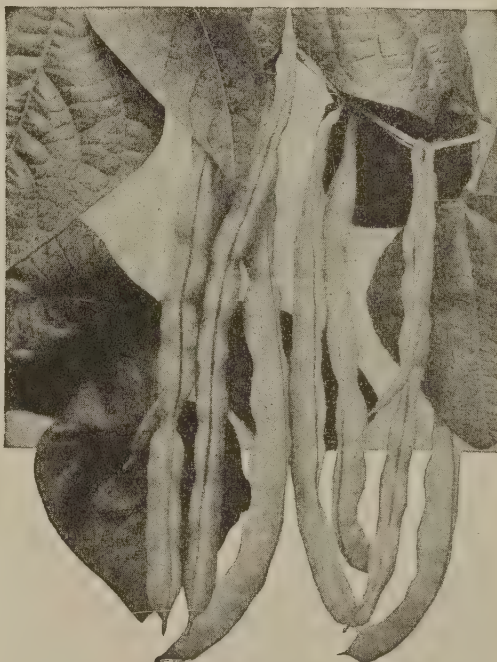
**DIXIE WHITE.** (50 days.) Very similar to Burpee's Stringless Green Pod, but with somewhat smaller pods and white seeds. Used for green and dry shell bean. Postpaid, pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.50; 10 lbs., \$2.75.

## POLE OR RUNNING BEANS

**Culture**—Plant two weeks after the Bush varieties, when the ground begins to warm up. Pole beans can be planted every three or four weeks up to August 20th, and they will make a crop. Fall beans are always tender. Have rows 3 to 4 feet apart; 2 pounds will plant 160 hills. Drop two seeds 1½ to 2 feet apart, cover one inch, cultivate as needed. For market use it requires 15 to 20 pounds to plant an acre. Pole beans can also be planted on wire fences or on a trellis. Plant 2 feet apart; ½ to ¾ lb. of seed will plant 100 feet of fence row. When planting in corn drop two or three seeds to every hill when corn is 12 inches high. For best results inoculate seed with Nitragin and mix 4 pounds of Vigoro Fertilizer per 100 feet of row before planting.

**IDEAL MARKET.** (58 days.) Plant hardy and vigorous. Pods round, deep green, 6 inches long, slightly curved, meaty, tender and stringless when young. Postpaid, pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.50; 10 lbs., \$2.75.

**DECATUR.** (62 days.) It is stringless in all stages and is uniform in plant growth and pod type, vigorously reaching 6 to 7 feet and pods are 6 to 8 inches long and nearly straight, meaty and of fine quality. Postpaid, pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 80c; 5 lbs., \$1.75; 10 lbs., \$3.25.



**KENTUCKY WONDER**

**KENTUCKY WONDER.** (65 days.) A hardy, strong climber that continues to bear until frost. Pods round, 8 to 10 inches long, curved and saddlebacked; stringless when young, very fleshy, fiberless, brittle and of superb flavor when cooked. Postpaid, pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.50; 10 lbs., \$2.75.

**WHITE-SEEDED KENTUCKY WONDER.** (64 days.) Similar in growth to the Kentucky Wonder, but the pods are long, straight and entirely stringless. The white beans are also fine for winter use. Postpaid, pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.50; 10 lbs., \$2.75.

**MCCASLAN.** (65 days.) An early prolific bean, excellent for home market as a snap or dry shell bean. Pods deep green, 8 inches long, slightly flattened, almost stringless and of fine flavor. If kept closely picked, they will bear until frost. Postpaid, pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.50; 10 lbs., \$2.75.

**SCOTIA or STRIPED CREASEBACK.** (Cornfield.) (72 days.) A very hardy, productive cornfield bean. Pods 6½ to 7 inches long, round, straight and creasebacked; slightly stringy, very fleshy, fine grained, attractive and of good quality; color dark green. Postpaid, pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.50; 10 lbs., \$2.75.

**KENTUCKY WONDER WAX.** (64 days.) A heavy yielding wax-podded pole bean, for home or market gardens. Curved, yellow, flat pods grow 10 inches long, meaty and of good flavor, but show strings. Postpaid, pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.50; 10 lbs., \$2.75.

**WHITE CREASEBACK.** (63 days.) An extremely early pole bean. Vines small to medium and wonderfully productive, bearing pods in clusters of from 4 to 12 and medium in length. An excellent shipper. Seeds white, excellent for baking. Postpaid, pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.50; 10 lbs., \$2.75.



# for HOME and MARKET GARDEN

## BUSH BUTTER OR LIMA BEANS

**Culture**—Lima beans grow best on rich, well drained, porous soil. Do not plant until danger of frost is over, the soil warm and moderately dry, and the nights quite warm, as lima beans are a tender vegetable. In most sections limas are planted about two weeks after the first planting of bush or snap beans. Plant in drills  $2\frac{1}{2}$  to 3 feet apart, spacing the seed 8 to 12 inches apart, and plant them edgewise with the eye downwards. Cover 1 inch deep. Cultivate shallow and frequently until the plants blossom. Pick the pods as soon as the beans are of edible size. 1 to  $1\frac{1}{2}$  lbs. will plant 100 feet of row; 45 to 60 lbs. to an acre. For best results inoculate seed with Nitragin and mix 4 pounds Vigoro Fertilizer per 100 feet of row before planting.

**HENDERSON'S.** (68 days.) The earliest variety. One week earlier than Burpee's Bush Lima. Sometimes called Baby Lima. Used largely by canners. Plant small, dark green, erect, bushy; pods flat, containing 3 to 4 flat, light green beans or seed, of excellent flavor when ripe and dry. Best yields obtained on warm, sandy loam. Dry beans creamy white.  
Postpaid, pkt., 10c;  $\frac{1}{2}$  lb., 25c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.50; 10 lbs., \$2.75.



HENDERSON'S BUSH LIMA

**BABY POTATO.** (72 days.) Twelve to sixteen inches high, early and prolific, and here at last is a small, thick-seeded butter bean with some Fordhook flavor. Pods are large for a Baby Lima, seeds are an attractive bright green in its green or eating stage, and creamy white when dry. This variety is adapted for produce markets, canning and quick freezing, as well as home gardens.  
Postpaid, pkt., 10c;  $\frac{1}{2}$  lb., 25c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.50; 10 lbs., \$2.75.

**BURPEE'S IMPROVED.** (75 days.) An improvement over the old Burpee's Bush Lima, slightly earlier and larger. Plant sturdy, vigorous and very productive. Pods 5 inches long, contain three to four beans, flat but thicker than Burpee's Bush.  
Postpaid, pkt., 10c;  $\frac{1}{2}$  lb., 25c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.50; 10 lbs., \$2.75.

**JACKSON WONDER.** (65 days.) This is also called Never Fail Bush Lima. Excellent drought resistant and sure cropper. Pods about 3 inches long,  $\frac{3}{4}$  of an inch wide, filled with 3 or 4 beans, of medium size, flat, light brown to purple, mottled; also good as a winter shell bean.  
Postpaid, pkt., 10c;  $\frac{1}{2}$  lb., 25c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.50; 10 lbs., \$2.75.



BABY POTATO

**WOOD'S PROLIFIC.** (72 days.) Similar to Henderson's but slightly larger. Extremely prolific, of true bush form, and very early, beans white, valuable when fresh or dried.  
Postpaid, pkt., 10c;  $\frac{1}{2}$  lb., 25c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.50; 10 lbs., \$2.75.

## POLE BUTTER OR LIMA BEANS

**Culture**—One pound will plant 100 feet of row; 30 lbs. to the acre. Set poles 4 feet apart each way. Drop 4 to 6 beans in each hill; the large types with eye downward. Cover 1 to  $1\frac{1}{2}$  inches, thin to three plants when up. Plant after ground is warm in April and May. Late plantings can be made up to August 1st. For best results inoculate seed with Nitragin and mix 4 pounds Vigoro Fertilizer per 100 feet of row before planting.

**CAROLINA or SIEVA.** (78 days.) In the South this is familiarly known as the "Butter Bean." It is very early, vigorous and productive. The seeds are small and white and of good flavor.  
Postpaid, pkt., 10c;  $\frac{1}{2}$  lb., 25c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.50; 10 lbs., \$2.75.

**IMPROVED FLORIDA.** (80 days.) A new distinct variety. Pods large, beans very tender and of excellent quality. Heavy yielders. Seed is more than double the size of Florida Butter, very striking in appearance, of a creamy white, mottled with purple.  
Postpaid, pkt., 10c;  $\frac{1}{2}$  lb., 25c; lb., 45c; 2 lbs., 80c; 5 lbs., \$1.75; 10 lbs., \$3.25.

**LARGE WHITE.** (88 days.) Beans greenish white, large size, matures late. The most productive variety for this section.  
Postpaid, pkt., 10c;  $\frac{1}{2}$  lb., 25c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.50; 10 lbs., \$2.75.

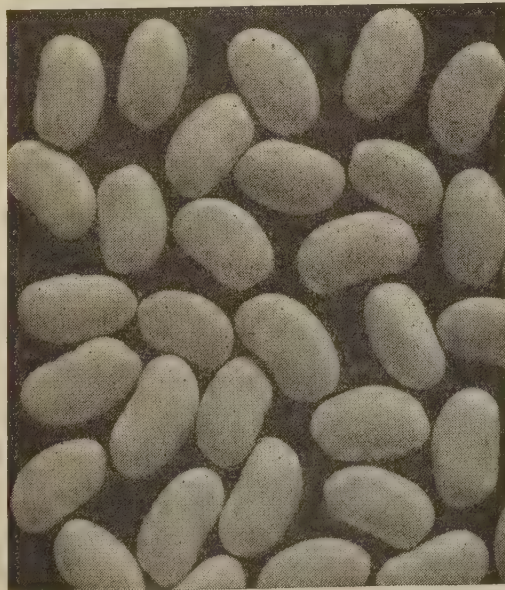
**WILLOW LEAF.** (90 days.) A great yielder and fine flavored. The vines are vigorous with many short branches. The leaves are small, smooth, stiff, glossy and dark green. The pods are dark green, short, about three inches, curved. Seed small, flat and white.  
Postpaid, pkt., 10c;  $\frac{1}{2}$  lb., 25c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.50; 10 lbs., \$2.75.

**FLORIDA or SPECKLED CALICO.** (82 days.) This is undoubtedly the greatest yielding pole lima bean known today. It commences to bear very early and bears continually until killed by frost. It is an extra fine flavored bean, both in the green state and when shelled dry for winter use. The beans are medium size, beautifully speckled or blotched dark red to black.  
Postpaid, pkt., 10c;  $\frac{1}{2}$  lb., 25c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.50; 10 lbs., \$2.75.

## DWARF SHELL OR FIELD BEANS

**Culture**—Do not plant until the middle of June. Plant in rows 2 to 3 feet apart, spacing the seed 2 to 3 inches apart, and cover 1 to 2 inches deep. One lb. for 100 feet; 60 to 75 lbs. per acre. Plants erect, semi-bush type. For best results inoculate seed with Nitragin and mix 4 pounds Vigoro Fertilizer per 100 feet of row before planting.

**GREAT NORTHERN.** (90-100 days.) The standard dry shell bean, used for baking and soup. Vine large, slender, spreading, with short runners, hardy and productive.  
Postpaid, pkt., 10c;  $\frac{1}{2}$  lb., 20c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.25; 10 lbs., \$2.25.



GREAT NORTHERN

**PINTO.** (100-110 days.) A standard shell bean, grows well in the South. Vine  $2\frac{1}{2}$  feet, vigorous and productive.  
Postpaid, pkt., 10c;  $\frac{1}{2}$  lb., 20c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.25; 10 lbs., \$2.25.

**RED KIDNEY.** (90-100 days.) One of the finest of all beans for baking. Very productive.  
Postpaid, pkt., 10c;  $\frac{1}{2}$  lb., 25c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.50; 10 lbs., \$2.75.

**WHITE NAVY.** (90-100 days.) This small shell bean will outyield all others. Excellent for use as baked beans. Plant large, spreading, with many runners.  
Postpaid, pkt., 10c;  $\frac{1}{2}$  lb., 20c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.25; 10 lbs., \$2.25.

## EDIBLE SOY OR SOJA BEANS

**Culture.** Plant in April and May on maturated soil, seeds three inches apart and one inch deep. The number of days refers to picking for use as green shelled beans; full maturity, for dry shelled beans, is reached about 30 days later.

**BANSEI.** (90 days.) Plants erect and of medium height, very prolific, well adapted for short season areas. Beans glossy yellow, oblong with rounded ends, of mild, pleasing flavor.  
Postpaid, pkt., 10c;  $\frac{1}{2}$  lb., 25c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.50; 10 lbs., \$2.75.

**EASY COOK.** (110 days.) An edible soy bean that can be cooked in about half the time of other varieties. Used either in the green state or dried.  
Postpaid, pkt., 10c;  $\frac{1}{2}$  lb., 20c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.25; 10 lbs., \$2.25.

**ANWEI.** (80 days.) Resembles the Bansei in color, but is more round in shape. The cooked mature bean presents a tender skin and desirable flavor. Produces firm, crisp sprouts noticeably free from earthy flavor.  
Postpaid, pkt., 10c;  $\frac{1}{2}$  lb., 25c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.50; 10 lbs., \$2.75.



# BEETS *for a Fine Vegetable and Greens*

## GARDEN BEETS

**How and When to Plant** For earliest use and market, sow seed of any round sort under glass, in February or March, and transplant to open ground in March or April. Seed for main crop may be sown in the early spring as soon as ground can be worked. For table beets sow in drills 2 to 2½ feet apart and thin to stand 3 to 4 inches apart in the rows. A packet will sow a row about 25 feet long; use 2 ounces to 100 feet; 6 to 8 lbs. per acre. Make successive plantings and cultivate freely. They are fit for use in 35 to 65 days. Beet tops are much used for greens, being cooked like spinach. For best results mix 4 pounds Vigoro Fertilizer per 100 feet of row before planting.



EARLY BLOOD TURNIP

**DETROIT DARK RED.** (50 days.) A highly bred, globe-shaped beet for home or market. We offer a special strain of this famous beet. It excels in uniformity of size, shape and color, being suited for home use, market sales, storing, shipping and canning. The roots are of medium size, smooth, perfectly globe-shaped, and of attractive appearance. The color of the flesh is a most intense deep red, showing no signs of any zones after cooking. It remains tender throughout and free from fibre until fully grown.  
Postpaid, pkt., 5c; oz., 20c; ¼ lb., 60c; ½ lb., \$1.05; lb., \$1.95; 3 lbs., \$5.55.

**CROSBY'S EGYPTIAN.** (42 days.) Medium size tops, roots flattened globe shape; flesh deep red, zoned lighter. Our strain of this quality beet is a decided improvement on the older forms of Egyptian and we claim there is no better early garden beet, as it increases in size so rapidly. The roots are larger and more globular though still somewhat flattened at the top, representing more or less of a turnip shape. The skin is a very deep red and the flesh is somewhat lighter in color.

Postpaid, pkt., 5c; oz., 15c; ¼ lb., 50c; ½ lb., 90c; lb., \$1.70; 3 lbs., \$4.80.

**EARLY BLOOD TURNIP.** (60 days.) If in doubt about what beet to plant, you will not go wrong in planting the Early Blood Turnip. Of uniform size, with smooth skin free from fibrous roots. Color rich dark red. Tender, sweet and crisp. Ideal for planting in May, June and July to make beets for winter. A fine keeper.

Postpaid, pkt., 5c; oz., 15c; ¼ lb., 50c; ½ lb., 90c; lb., \$1.70; 3 lbs., \$4.80.

**EARLY WONDER.** (40 days.) Also known as Boston Crosby. Early, tender and sweet, dark red roots. This early beet is the result of yearly selection made over a period of time. As we offer it today it seems almost impossible to still further improve its appearance and excellent quality. It is probably the earliest of the small table beets for outside growing. The roots are flat to globe in shape, of a beautiful deep red color, and of medium size.

Postpaid, pkt., 5c; oz., 15c; ¼ lb., 50c; ½ lb., 90c; lb., \$1.70; 3 lbs., \$4.80.

## BEET PLANTS

Ready March 1st. Crosby's Egyptian, Detroit Dark Red. Postpaid, 25 for 35c; 50 for 60c; 100 for \$1.00; 300 for \$2.75.



DETROIT DARK RED

## STOCK BEETS OR MANGELS

**How and When to Plant** Plantings should be made from April until the middle of June, soaking the seeds for 24 hours before planting. Sow in drills 2 to 2½ feet apart. Thin out to stand 10 inches apart in the row; 5 to 6 lbs. will plant an acre. For best results mix 4 pounds Vigoro Fertilizer per 100 feet of row before planting. Cultivate as soon after planting as possible. As soon as frost occurs, dig the roots, cut off the tops and pile on a well drained situation, covering with straw or corn stalks and an inch of earth. As it gets colder, increase the covering to prevent freezing. Always feed with some dry roughage.

**MAMMOTH LONG RED MANGEL.** (110 days.) Highest in yield. The roots often weigh 20 to 30 pounds each. It grows well above ground, is easily pulled; the deep red roots are straight, well formed and solid. A fine keeper and will supply an abundance of succulent green food for stock of all kinds and for poultry. Adapted to deep soils.

Postpaid, pkt., 5c; oz., 15c; ¼ lb., 40c; ½ lb., 70c; 1 lb., \$1.25; 5 lbs., \$5.75.

**GIANT FEEDING SUGAR.** (90 days.) Not as high in tonnage yield per acre, but the pound to pound feeding value is greater because of its high sugar content. Grows partly out of the ground and is easily harvested. Fine for fattening cattle and equally as good as other stock beets for general feeding.

Postpaid, pkt., 5c; oz., 15c; ¼ lb., 40c; ½ lb., 70c; 1 lb., \$1.25; 5 lbs., \$5.75.

**KLEIN WANZLEBEN SUGAR.** (95 days.) Large, smooth white roots with broad shoulder, gradually tapering toward the base; good keepers. Widely grown in many sections for sugar production and stock feeding. Rich in sugar content. Claimed to be the heaviest yielder of the sugar beets.

Postpaid, pkt., 5c; oz., 15c; ¼ lb., 40c; ½ lb., 70c; 1 lb., \$1.25; 5 lbs., \$5.75.

**GOLDEN TANKARD MANGEL.** (95 days.) Especially recommended for the dairyman on account of its milk producing properties and the richer quality of the milk. The flesh is firm and solid, rich golden yellow color. Due to its peculiar shape they can be grown closer in the rows than most mangels, increasing the yield per acre. Grows well above ground and easily pulled. Does well on light soils.

Postpaid, pkt., 5c; oz., 15c; ¼ lb., 40c; ½ lb., 70c; 1 lb., \$1.25; 5 lbs., \$5.75.



LUCULLUS

## SWISS CHARD

**Culture**—A real cut-and-come-again salad, for after cutting outer leaves it quickly makes a new growth from the center. The leaf is boiled like spinach or turnip greens. Since it produces so abundantly during hot, dry summer months it is often planted for chickens. A packet will sow a row about 25 feet long; use 2 ounces to 100 feet, 6 to 8 pounds per acre.

**LUCULLUS.** (52 to 62 days.) A variety with curled leaves like a Savoy cabbage. The plant grows nearly 2 feet high and the stem and leaves are very large and of fine quality.  
Postpaid, pkt., 5c; oz., 15c; ¼ lb., 40c; ½ lb., 70c; lb., \$1.25; 3 lbs., \$3.45.



MAMMOTH LONG RED

RUSSELL-HECKLE

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For Quantity Prices



# CABBAGE--Delicious Served Many Ways

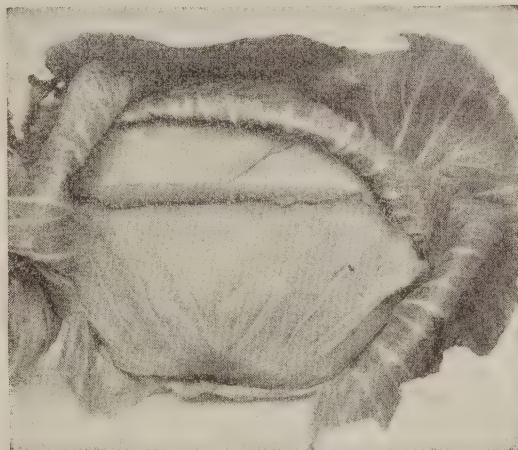
**How to Grow** For very early use sow in January or February in hotbeds; put out when the plants are strong enough, into other hotbeds, or sow in cold frames in March; transplant when danger from killing frost is past, to open ground in rows 24 to 36 inches apart and 18 inches in the row. For a succession sow in the open ground the last of March or early in April. The autumn and winter varieties sow in April or early May, in shallow drills, 3 or 4 inches apart; transplant early in July in rows. Cabbage succeeds best in fresh, rich soil, deeply dug or plowed. One ounce of seed produces about 2,000 plants; one-half pound will produce enough plants to set an acre. We have indicated the average number of days required to produce heads from the date the young plants are set in the field. For best results work a level tablespoonful of Vigoro Fertilizer in the soil around the plant when transplanting to the field.

**COPENHAGEN MARKET.** (70 days.) The heads average about 10 pounds each in weight, are very solid and of fine quality. It matures as early as Charleston Wakefield. Postpaid, pkt., 5c; 1/2 oz., 20c; oz., 30c; 2 oz., 55c; 1/4 lb., \$1.00; 1/2 lb., \$1.85; lb., \$3.50; 3 lbs., \$10.20.

**GOLDEN ACRE.** (64 days.) This early, round-headed cabbage closely resembles Copenhagen Market in type. It is 8 to 10 days earlier than Copenhagen Market but is smaller and can be planted closer. Postpaid, pkt., 5c; 1/2 oz., 20c; oz., 35c; 2 oz., 60c; 1/4 lb., \$1.05; 1/2 lb., \$1.95; lb., \$3.75; 3 lbs., \$10.95.

**ALL SEASONS.** (90 days.) The name best describes this variety as it is sureheaded, of the Flat Dutch type of heads and a first class main crop. The heads are very large, extremely hard and solid. Postpaid, pkt., 5c; 1/2 oz., 20c; oz., 30c; 2 oz., 50c; 1/4 lb., 85c; 1/2 lb., \$1.55; lb., \$2.95; 3 lbs., \$8.55.

**CHARLESTON or LARGE WAKEFIELD.** (73 days.) A selection from Early Jersey Wakefield, producing a larger and more solid head. Charleston Wakefield is more uniform of type and a much better shipping variety; of fine quality. Postpaid, pkt., 5c; 1/2 oz., 20c; oz., 30c; 2 oz., 50c; 1/4 lb., 85c; 1/2 lb., \$1.55; lb., \$2.95; 3 lbs., \$8.55.



LATE FLAT DUTCH

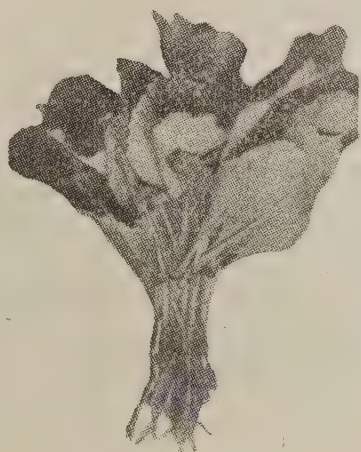
**LARGE DRUMHEAD SAVOY.** (90 days.) Leaves curled, tender and delicately flavored when touched by frost. Heads flattened, nearly round; leaves crimped, bluish green. A favorite for fall and winter market. Sow seed in June and July. Set in the open in September. Postpaid, pkt., 5c; 1/2 oz., 20c; oz., 30c; 2 oz., 50c; 1/4 lb., 85c; 1/2 lb., \$1.55; lb., \$2.95; 3 lbs., \$8.55.

**LARGE LATE DRUMHEAD.** (105 days.) A dependable heading variety, good winter keeper, solid and firm. Postpaid, pkt., 5c; 1/2 oz., 20c; oz., 30c; 2 oz., 50c; 1/4 lb., 85c; 1/2 lb., \$1.55; lb., \$2.95; 3 lbs., \$8.55.

**ALL HEAD EARLY.** (78 days.) Excellent for shipping and for kraut. Heads deep, medium, flat, slightly sloping at base. 7 inches deep, solid, uniform and of good quality. Outer leaves grey green. Postpaid, pkt., 5c; 1/2 oz., 20c; oz., 30c; 2 oz., 50c; 1/4 lb., 85c; 1/2 lb., \$1.55; lb., \$2.95; 3 lbs., \$8.55.

**MAMMOTH RED ROCK.** (95 days.) The largest of the red cabbages, the round heads weighing 6 to 8 lbs. Intense dark red color. A sure header. Postpaid, pkt., 10c; 1/2 oz., 25c; oz., 40c; 2 oz., 70c; 1/4 lb., \$1.25; 1/2 lb., \$2.35; lb., \$4.50.

**SUCCESSION.** (84 days.) Very dependable for late summer and fall use, good keeper. Plants large but compact, stem short. Heads large and flat but deep, 10 to 11 inches across, 7 to 8 inches deep and weigh 8 to 9 lbs. Postpaid, pkt., 5c; 1/2 oz., 20c; oz., 30c; 2 oz., 50c; 1/4 lb., 85c; 1/2 lb., \$1.55; lb., \$2.95; 3 lbs., \$8.55.



GOLDEN ACRE

**EARLY FLAT DUTCH.** (70 days.) Excellent second-early variety, producing fine large heads. Highly valued for the fine quality and ability to resist heat. Heads are round, flattened on top, measure 13 inches across and weigh from 10 to 12 pounds each. A favorite with many market growers. Postpaid, pkt., 5c; 1/2 oz., 20c; oz., 30c; 2 oz., 50c; 1/4 lb., 85c; 1/2 lb., \$1.55; lb., \$2.95; 3 lbs., \$8.55.

**EARLY JERSEY WAKEFIELD.** (64 days.) Dwarf, compact plants maturing very early. The heads are pyramidal in shape, having a blunted or rounded peak. Very sweet flavor. Small outside foliage and a uniform crop. Postpaid, pkt., 5c; 1/2 oz., 20c; oz., 30c; 2 oz., 50c; 1/4 lb., 85c; 1/2 lb., \$1.55; lb., \$2.95; 3 lbs., \$8.55.

**LARGE LATE FLAT DUTCH.** (110 days.) Remarkably large, solid heads, of bluish green with a broad, flat surface, and interior of fine quality; crisp, tender, white; a good keeper. Postpaid, pkt., 5c; 1/2 oz., 20c; oz., 30c; 2 oz., 50c; 1/4 lb., 85c; 1/2 lb., \$1.55; lb., \$2.95; 3 lbs., \$8.55.

## CHINESE CABBAGE

(Celery Cabbage)

Chinese Cabbage has a distinct taste and flavor and when cooked it can be served like spinach, using the green part of the leaves. The middle ribs are very palatable cooked like asparagus. Raw, it is used like lettuce.



CHIHILI

**CHIHILI.** (75 days.) Long, pointed, very firm, solid heads, pure white inside and of the finest flavor. When fully matured heads often measure 18 inches tall and 3 1/2 to 4 inches thick. Postpaid, pkt., 5c; oz., 20c; 2 oz., 30c; 1/4 lb., 55c; 1/2 lb., 95c; lb., \$1.75; 3 lbs., \$4.95.

**WONG BOK.** (80 days.) Heads 8 to 10 inches tall, rather broad. Leaves tightly folded, blanching the interior, making it crisp, tender and of delicious quality. Gaining in popularity each year. For salad, slaw and greens.

Postpaid, pkt., 5c; oz., 20c; 2 oz., 30c; 1/4 lb., 55c; 1/2 lb., 95c; lb., \$1.75; 3 lbs., \$4.95.

## CAULIFLOWER

**Culture**—Sow in beds or boxes in January or February and transplant to the garden in March or April. Cultivate like cabbage. For best results work a level tablespoonful of Vigoro Fertilizer in the soil around the plant when transplanting to the field.

**EARLY SNOWBALL.** (55 days.) The best and most widely used early variety. Plants dwarf, with short, pale green leaves. Heads medium, firm, compact, solid, pure white and of finest quality.

Postpaid, pkt., 15c; 1/4 oz., 50c; 1/2 oz., 85c; oz., \$1.55; 2 oz., \$2.95; 1/4 lb., \$5.75.

### CAULIFLOWER PLANTS

Ready March 1st. Early Snowball. Postpaid, 25 for 60c; 50 for \$1.00; 100 for \$1.75.

## FROST-PROOF CABBAGE PLANTS

These cabbage plants will stand light freezes and considerable cold with little or no damage. They are raised outdoors and are hardy and vigorous. If weather permits they can be set out in this section early in February. If you cannot plant on arrival, heel the plants in the ground; they will keep for weeks. Do not be disappointed if the plants look wilted or yellow on arrival. Set the roots in water for 24 hours and they will revive and grow perfectly satisfactorily.

Orders for Frost-Proof Cabbage Plants will be filled from February 1st to April 1st unless weather is too cold or severe.

### POSTPAID PRICES OF FROST-PROOF CABBAGE PLANTS

	100	200	500	1,000
Early Jersey Wakefield.....	\$ .60	\$1.00	\$2.25	\$3.95
Charleston Wakefield .....	.60	1.00	2.25	3.95
Early Flat Dutch.....	.60	1.00	2.25	3.95

No plants shipped C. O. D. No order for less than 100 plants can be accepted. Customers wanting prices on large lots, write us for special quotation.



# CANTALOUPE *for Luscious Eating*

**How and When to Plant** One ounce will plant 50 hills; 2 or 3 pounds in hills per acre. Melons thrive best in rich, light soil. Plant early in May, when the ground has become warm and dry, in hills six feet apart each way. Plant 12 to 15 seeds in each hill after all danger of the bugs is over, thin out to three plants per hill. When about one foot long, pinch off the tips to make them branch as it strengthens the growth of the vines and makes the fruit mature earlier. Give plenty of water. Early plantings can be made with the use of Hotkaps. For best results mix a level tablespoonful of Vigoro Fertilizer in the hill before planting the seed.



HALE'S BEST NO. 36

**BANANA.** (94 days.) An extremely long melon, tapering at both ends and usually curved at the stem end. It has lemon colored skin at maturity and grown under proper conditions is really delicious. Vigorous and hardy. Excellent for home use. Approximate weight 7½ pounds.  
Postpaid, pkt., 5c; oz., 20c; 2 oz., 35c; ¼ lb., 60c; ½ lb., \$1.05; lb., \$1.95; 5 lbs., \$9.25.

**HALE'S BEST (Original Jumbo).** (85 days.) Oval in shape, heavily netted with wide stripes. The flesh is thick pink meat of excellent flavor and good color. Not designed for packing, as it is too large, but is most popular for roadside market and trucking. Approximate weight 4½ pounds.  
Postpaid, pkt., 5c; oz., 20c; 2 oz., 35c; ¼ lb., 60c; ½ lb., \$1.05; lb., \$1.95; 5 lbs., \$9.25.

**HALE'S BEST NO. 36.** (85 days.) Desirable for any purpose, home garden, roadside stands and for shipment by truck or packing for distant markets. The size is ideal, the net is heavy with just a faint stripe, the shape slightly oval and the flesh is very thick. It is about the most uniform stock of Hale's Best. Approximate weight 3 pounds.  
Postpaid, pkt., 5c; oz., 20c; 2 oz., 35c; ¼ lb., 60c; ½ lb., \$1.05; lb., \$1.95; 5 lbs., \$9.25.

**OSAGE or MILLER'S CREAM.** (92 days.) It is oval or egg shaped with indistinct ribs and a trace of netting. The skin is dark green when immature, ripening to a mottled orange and green. The seed cavity is small, the flesh unusually thick and firm, enabling it to carry for some distance. It has a spicy flavor and continues to enjoy wide use as an all-purpose variety. Approximate weight 5 pounds.  
Postpaid, pkt., 5c; oz., 20c; 2 oz., 35c; ¼ lb., 60c; ½ lb., \$1.05; lb., \$1.95.

**HEARTS OF GOLD.** (95 days.) A golden fleshed variety. Fruit of medium and very uniform size. Netting exceptionally fine and dense, extending practically over the entire surface. Flesh thick, firm, highly colored, of fine texture and delicious flavor. Desirable for shipping as well as general purposes. Approximate weight 3 pounds.  
Postpaid, pkt., 5c; oz., 20c; 2 oz., 35c; ¼ lb., 60c; ½ lb., \$1.05; lb., \$1.95; 5 lbs., \$9.25.

**MAMMOTH ROCKY FORD.** (87 days.) The melons are larger in size and not quite as heavily netted as the regular Rocky Ford. The shape is nearly round, and very uniform in size. The flesh is thick and firm which permits its being shipped long distances. The vines are rust resistant, producing enormous crops. Approximate weight 3¾ pounds.  
Postpaid, pkt., 5c; oz., 20c; 2 oz., 35c; ¼ lb., 60c; ½ lb., \$1.05; lb., \$1.95; 5 lbs., \$9.25.

**LARGE HACKENSACK MUSKMELON.** (94 days.) A very large, green fleshed muskmelon, quite flat in shape, with prominent ribs and heavy netting. The flesh is remarkably thick, sweet and spicy. While a little late in maturing this melon is widely used and is both distinctive and valuable. Approximate weight 8½ pounds.  
Postpaid, pkt., 5c; oz., 20c; 2 oz., 35c; ¼ lb., 60c; ½ lb., \$1.05; lb., \$1.95; 5 lbs., \$9.25.

**HONEY DEW.** (110 days.) A delicious green meated variety. The outside color is white with some net, ripening to a light cream color. The rind is smooth and hard, suitable for long distance shipping, and with excellent keeping qualities. Requires a long growing season. Approximate weight 6½ pounds.  
Postpaid, pkt., 5c; oz., 20c; 2 oz., 35c; ¼ lb., 60c; ½ lb., \$1.05; lb., \$1.95; 5 lbs., \$9.25.



HONEY ROCK

**HONEY ROCK or SUGAR ROCK.** (85 days.) This popular melon received All-American distinction for 1933. It has maintained a place among the leaders ever since its introduction and is one of the best of the pink fleshed sorts. The rind is tough and hard, covered with a distinctive, rope-like netting. The flesh is of a deep salmon color, fairly thick and very sweet. It is not adapted for shipping any great distances. Approximate weight 3 pounds.  
Postpaid, pkt., 5c; oz., 20c; 2 oz., 35c; ¼ lb., 60c; ½ lb., \$1.05; lb., \$1.95; 5 lbs., \$9.25.

**IMPERIAL NO. 45 (Mildew Resistant).** (86 days.) A shipping variety scientifically designed for that particular trade. The shape is oval, the size is medium with heavy net and a faint stripe which insures earliness. The inside is most attractive, with thick, deep colored pink flesh and very small seed cavity. Approximate weight 4 pounds.  
Postpaid, pkt., 5c; oz., 20c; 2 oz., 35c; ¼ lb., 60c; ½ lb., \$1.05; lb., \$1.95; 5 lbs., \$9.25.

**PINK MEAT ROCKY FORD.** (85 days.) It is identical to Rocky Ford except the flesh is salmon tinted instead of green. The fruits are very uniform, heavily netted with no trace of ribs, and the vines are rust resistant. Excellent for long distance shipping and home market use. Approximate weight 2½ pounds.  
Postpaid, pkt., 5c; oz., 20c; 2 oz., 35c; ¼ lb., 60c; ½ lb., \$1.05; lb., \$1.95; 5 lbs., \$9.25.

**GOLD LINED ROCKY FORD.** (95 days.) This excellent stock of the Rocky Ford type has spicy green flesh with a gold lining next to the seed cavity. It is otherwise quite similar to the Rocky Ford in general appearance and use. For sweetness and spiciness this popular variety is unexcelled. Approximate weight 2¾ pounds.  
Postpaid, pkt., 5c; oz., 20c; 2 oz., 35c; ¼ lb., 60c; ½ lb., \$1.05; lb., \$1.95; 5 lbs., \$9.25.

**ROCKY FORD.** (95 days.) The Rocky Ford continues to be a leader among melons of its class. It has enjoyed wide use for many years and is well known everywhere that melons are produced. It is popular chiefly because of its extraordinary flavor. The spicy flavor of the green fleshed Rocky Ford melon is difficult to improve upon. Approximate weight 2½ pounds.  
Postpaid, pkt., 5c; oz., 20c; 2 oz., 35c; ¼ lb., 60c; ½ lb., \$1.05; lb., \$1.95; 5 lbs., \$9.25.

**SUPERFECTO.** (92 days.) One of the best cantaloupes for the late shipping market. The size is uniform with but a slight trace of stripe and solid net. The fine grained orange flesh is very thick and this fine melon has about the smallest seed cavity of any variety. Late in maturing as compared to many of the other shipping kinds but its attractive appearance and excellent flavor are among the best. Approximate weight 3 pounds.  
Postpaid, pkt., 5c; oz., 20c; 2 oz., 35c; ¼ lb., 60c; ½ lb., \$1.05; lb., \$1.95; 5 lbs., \$9.25.

**PRIDE OF WISCONSIN.** (90 days.) Oval in shape with tough, heavily netted rind with faint ribs. The flesh color is totally unlike other cantaloupes, being a deep, sparkling, golden orange. The seed cavity is small and closely packed. The flesh is thick, juicy and sweet, edible almost to the rind, and has no superior in eating qualities. It is one of the finest cantaloupes for both shipping and home gardening yet introduced. Approximate weight 3¾ pounds.  
Postpaid, pkt., 5c; oz., 20c; 2 oz., 35c; ¼ lb., 60c; ½ lb., \$1.05; lb., \$1.95.

**MIXED.** Several varieties, early and late, both pink and green meat. This is a good mixture for home use and you should be well pleased with the various shapes and sizes.  
Postpaid, pkt., 5c; oz., 20c; 2 oz., 35c; ¼ lb., 60c; ½ lb., \$1.05; lb., \$1.95.



OSAGE OR MILLER'S CREAM

## BIG 4 CANTALOUPE COLLECTION

4

1 oz. Gold Lined Rocky Ford

1 oz. Mammoth Rocky Ford

4 Varieties, Total Value 80c,

1 oz. Large Hackensack

1 oz. Pride of Wisconsin

Sent Postpaid for Only.....

50c



# CARROTS *Very Healthful Cooked or Raw*

**How and When to Plant** The carrot, whether used raw, fried, boiled or stewed, used alone or combined with other vegetables or meat is not surpassed in nutritious healthfulness by any vegetable. Plant carrot seed from the time the soil can be worked in the spring till July, in 1- or 2-foot rows for hand cultivation or in 30-inch rows where a horse-drawn tool is used. Use one ounce of seed to 100 feet of row, 4 to 5 pounds to the acre, covering one-half inch deep and later thin to a four-inch stand. Do not overlook the value of this crop as a stock food. For best results, mix 4 pounds Vigoro Fertilizer per 100 feet of row before planting.

**DANVERS HALF-LONG.** (75 days.) One of the favorite main crop varieties known by all. Very productive and used extensively by market gardeners, shippers and home gardeners. Roots bright deep orange, 5 to 7 inches long, 1 1/4 inches thick, broad shoulder tapering to a blunt point. Flesh bright orange, tender, and very sweet.  
Postpaid, pkt., 5c; oz., 20c; 2 oz., 35c; 1/4 lb., 60c; 1/2 lb., \$1.05; lb., \$1.95; 3 lbs., \$5.55.

**IMPERATOR.** (75 days.) This new carrot has already become very popular as it combines both attractive appearance with first class quality. The roots are 7 to 8 inches long, tapering gradually toward the tip. Rich orange color with indistinct core.  
Postpaid, pkt., 5c; oz., 20c; 2 oz., 35c; 1/4 lb., 60c; 1/2 lb., \$1.05; lb., \$1.95; 3 lbs., \$5.55.

## CELERY

**GOLDEN SELF-BLANCHING.** (115 days.) Very popular because of its earliness and self-blanching quality. The dwarf, compact plants grow 18 to 20 inches tall and form thick, solid stalks which readily blanch to a beautiful waxy yellow.  
Postpaid, pkt., 10c; 1/2 oz., 30c; oz., 55c; 2 oz., \$1.00; 1/4 lb., \$1.85.

**WHITE PLUME.** (115 days.) Foliage is bright, light green, tinted white; stalks and foliage blanch readily to a pure snowy white. Crisp, tender and free from fiber strings.  
Postpaid, pkt., 10c; 1/2 oz., 30c; oz., 55c; 2 oz., \$1.00; 1/4 lb., \$1.85.

## CELERY PLANTS

**GOLDEN SELF-BLANCHING.** Ready March 15th. Postpaid, 50 for 60c; 100 for \$1.00; 300 for \$2.75.

## CELERIAC

**GIANT PRAGUE.** (120 days.) Produces large edible roots which are ready for use after they have grown about 2 inches across. Grow as you would celery except that it does not require hilling or blanching.  
Postpaid, pkt., 10c; 1/2 oz., 30c; oz., 55c; 2 oz., \$1.00; 1/4 lb., \$1.85.

## CHICORY

Sow in April and transplant to stand 4 inches apart. Valuable as a salad as well as a vegetable. Use a packet to 20 feet of row.

**MADGEBURG.** (100 days.) Used for roots. Cut in slices and dried makes substitute for coffee.  
Postpaid, pkt., 10c; 1/2 oz., 25c; oz., 45c; 2 oz., 80c; 1/4 lb., \$1.50.

**WITLOOF.** Also called French Endive. (110 days.) Used for the top.  
Postpaid, pkt., 10c; 1/2 oz., 25c; oz., 45c; 2 oz., 80c; 1/4 lb., \$1.50.

**HALF-LONG SCARLET CHANTENAY.** (72 days.) Market gardeners know this to be the perfect carrot and one of the most salable market varieties. An excellent, all-purpose sort. Roots deep orange, smooth, 5 to 6 inches long, 2 1/4 inches thick, broad shoulders gradually tapering and stump-rooted at the lower end. Flesh deep orange with distinct core.  
Postpaid, pkt., 5c; oz., 20c; 2 oz., 35c; 1/4 lb., 60c; 1/2 lb., \$1.05; lb., \$1.95; 3 lbs., \$5.55.

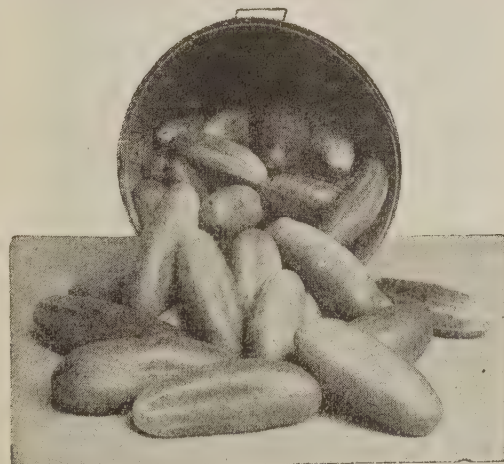
**IMPROVED LONG ORANGE.** (88 days.) Roots reddish orange, 12 inches long, 2 inches thick, tapering to a point; flesh red-orange. Excellent for table use, also used for stock feeding.  
Postpaid, pkt., 5c; oz., 20c; 2 oz., 35c; 1/4 lb., 60c; 1/2 lb., \$1.05; lb., \$1.95; 3 lbs., \$5.55.



DANVERS HALF LONG

## PLANT ONE OR MORE CUCUMBERS—FOR PICKLES OR SALAD

**How and When to Plant** One ounce to 50 hills; 2 to 3 pounds per acre. After danger of frost is past plant in hills 4 by 5 feet apart and thin to 3 plants to a hill. Seed can be planted in boxes or paper pots in a hotbed, but cucumbers do not transplant readily unless a mass of soil adheres to the roots. For best results mix a level tablespoonful of Vigoro Fertilizer in the hill before planting the seed.



EARLY WHITE SPINE

**EARLY WHITE SPINE.** (60 days.) The most popular white spined cucumber for the home garden; extensively grown for shipping. Fruits medium dark green; slightly tapered; blunt, 5 to 8 inches long and about 2 1/2 inches thick.  
Postpaid, pkt., 5c; oz., 20c; 2 oz., 35c; 1/4 lb., 60c; 1/2 lb., \$1.05; lb., \$1.95; 3 lbs., \$5.55.

**EARLY GREEN CLUSTER.** (52 days.) Black Spine. A fine variety for pickling, also desirable for early slicing. Fruits borne in twos and threes. Short, thick, pale green, cylindrical and full at both ends. 5 to 6 inches long and about 2 1/2 inches thick.  
Postpaid, pkt., 5c; oz., 20c; 2 oz., 35c; 1/4 lb., 60c; 1/2 lb., \$1.05; lb., \$1.95; 3 lbs., \$5.55.

**A. & C. (60 days.) White Spine.** A very desirable cucumber because of its uniform length and intense dark green color. It has become increasingly popular for all market purposes and is a vigorous, high yielding variety. The fruit tapers at both ends and is 10 to 12 inches long and about 3 inches thick.  
Postpaid, pkt., 5c; oz., 20c; 2 oz., 35c; 1/4 lb., 65c; 1/2 lb., \$1.20; lb., \$2.25; 3 lbs., \$6.45.

**CHICAGO PICKLE.** (58 days.) Black Spine. It has square ends with symmetrical shape and a tendency to taper slightly toward the blossom end. The Chicago pickle is very popular for all pickling purposes. The fruit is 6 to 8 inches long and about 3 inches thick.  
Postpaid, pkt., 5c; oz., 20c; 2 oz., 35c; 1/4 lb., 60c; 1/2 lb., \$1.05; lb., \$1.95; 3 lbs., \$5.55.

**DAVIS PERFECT.** (58 days.) White Spine. A long, smooth cucumber with tapering ends. It has enjoyed wide use for many years because of its dark green color when in the slicing stage, and the edible qualities are excellent. Fruit 10 to 12 inches long and about 3 inches thick.  
Postpaid, pkt., 5c; oz., 20c; 2 oz., 35c; 1/4 lb., 65c; 1/2 lb., \$1.20; lb., \$2.25; 3 lbs., \$6.45.

**IMPROVED LONG GREEN.** (70 days.) Black Spine. One of the most popular and widely used varieties for slicing, also very good for pickling. Fruits dark green and somewhat slender, 10 to 15 inches long and about 3 inches thick.  
Postpaid, pkt., 5c; oz., 20c; 2 oz., 35c; 1/4 lb., 60c; 1/2 lb., \$1.05; lb., \$1.95; 3 lbs., \$5.55.

**STAYS GREEN.** (60 days.) White Spine. Glossy dark green, cylindrical. Retains its color a long time. Young fruit fine for pickling, mature fruit adapted in shape and size to packing and shipping.  
Postpaid, pkt., 5c; oz., 20c; 2 oz., 35c; 1/4 lb., 60c; 1/2 lb., \$1.05; lb., \$1.95; 3 lbs., \$5.55.

**STRAIGHT EIGHT.** (63 days.) White Spine. Desirable for shipping, market garden or home garden trade. The fruit is 8 to 9 inches long and about 1 1/2 inches thick. Ends are rounded. It is very symmetrical, not tapering from either end. The color is dark green in the shipping stage.  
Postpaid, pkt., 5c; oz., 20c; 2 oz., 35c; 1/4 lb., 65c; 1/2 lb., \$1.20; lb., \$2.25; 3 lbs., \$6.45.



IMPROVED LONG GREEN



# Best Varieties of Sweet and Garden CORN

**How and When to Plant** Plant the garden corns the 15th of March, sweet corn not until the first week in April. One pound of corn will plant about 200 hills; 10 to 12 pounds of seed will plant an acre. Make hills 3 feet each way, leaving two stalks to the hill. Make successive plantings every three weeks to have roasting ears all through the summer. Plant only in rich or well-fertilized soil.

**BLACK MEXICAN.** (Sweet.) (88 days.) This is one of the richest flavored and tenderest of sweet corns. Many are misled by the bluish black color of the ripe seed, but when in table condition the kernels are pearly white and superior to many of the other white sweet corns. The ears are 8-rowed and 8 to 9 inches long. As a mid-season variety this will prove surprisingly good.

Postpaid, pkt., 10c; 1/2 lb., 25c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.50; 10 lbs., \$2.75.

**GOLDEN BANTAM.** (Sweet.) (80 days.) The most popular and best known of all the yellow sugar corns and has made a reputation for its earliness and delicious quality. It is used extensively by home gardeners, truckers and canners. Stalks dwarf, 4 1/2 to 5 feet; ears 6 to 7 inches long, uniformly 8-rowed. Kernels broad, tender, sweet and of fine flavor.

Postpaid, pkt., 10c; 1/2 lb., 25c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.50; 10 lbs., \$2.75.

**COUNTRY GENTLEMAN.** (Sweet.) (93 days.) Kernels set irregularly on a small cob. The Shoe Peg grains are white, very sweet, tender and juicy.

Postpaid, pkt., 10c; 1/2 lb., 25c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.50; 10 lbs., \$2.75.

**EARLY YELLOW SENSATION.** (Sweet.) (78 days.) One of the best of the yellow varieties. In addition to having excellent quality, it is very early. The ear is 6 to 8 inches long, with 12 to 16 rows. Very popular and highly recommended.

Postpaid, pkt., 10c; 1/2 lb., 25c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.50; 10 lbs., \$2.75.

**STOWELL'S EVERGREEN.** (Sweet.) (94 days.) Stalk produces two good ears which are 9 to 10 inches long, grains long in shape, white, tender and delicious. This is a good standard variety that will always please.

Postpaid, pkt., 10c; 1/2 lb., 25c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.50; 10 lbs., \$2.75.

**GOLDEN HYBRID NO. 2439.** (Sweet.) (87 days.) Exceptionally valuable to truckers and canners and an ideal corn for the home garden. Plant tall, vigorous, uniform. Leaves wide, dark green and numerous. Ears cylindrical, 12-16 rowed; 7 3/4 inches in length, with long husks affording considerable resistance to ear worm. Kernels lustrous golden yellow, sweet and of excellent quality.

Postpaid, pkt., 15c; 1/2 lb., 35c; lb., 60c; 2 lbs., \$1.10; 5 lbs., \$2.50; 10 lbs., \$4.75.



COUNTRY GENTLEMAN

**NARROW GRAIN WHITE HYBRID.** (Sweet.) (98 days.) While its maturity and characteristics are almost identical with Narrow Grain Evergreen variety, this hybrid is less susceptible to lodging and disease. Through the elimination of barren and nubbin bearing stalks, this topcross easily produces 30% more corn than the Narrow Grain Evergreen. The ears are 18-26 rowed, about 7 1/2 inches long, cylindrical and well filled at the tips.

Postpaid, pkt., 15c; 1/2 lb., 40c; lb., 65c; 2 lbs., \$1.20; 5 lbs., \$2.75; 10 lbs., \$5.25.

**EARLIGOLD YELLOW HYBRID.** (Sweet.) (75 days.) One of the earliest hybrids, developed for growers who have been looking for a hybrid both early and large eared. The ears are 6 1/2 to 7 inches long, slightly tapering and very uniform, well filled with 12 to 16 rows of kernels. Plants are 5 to 5 1/2 feet tall, with few suckers. Somewhat resistant to wilt.

Postpaid, pkt., 15c; 1/2 lb., 35c; lb., 60c; 2 lbs., \$1.10; 5 lbs., \$2.50; 10 lbs., \$4.75.



STOWELL'S EVERGREEN

**GOLDEN CROSS BANTAM YELLOW HYBRID.** (Sweet.) (86 days.) Grows 6 to 7 feet high, sturdy and straight, producing two ears to the stalk. Ears very uniform, 8 inches long and have 10 to 14 rows of light yellow kernels with delicious sweet pulp.

Postpaid, pkt., 15c; 1/2 lb., 35c; lb., 60c; 2 lbs., \$1.10; 5 lbs., \$2.50; 10 lbs., \$4.75.

**LINCOLN YELLOW HYBRID.** (Sweet.) (84 days.) A mid-season yellow variety developed by the Connecticut Agricultural Experiment Station. It is stiff stalked, normally with one ear per stalk and very few suckers. Stalks are 7-7 1/2 feet high. Ears are 12-14 rowed, 7 1/2-8 inches long, cylindrical in shape, with broad kernels of medium depth. The hybrid is wilt resistant, drought-tolerant, and of good quality. This is a Bronze Medal winner in the All-America selections for 1941.

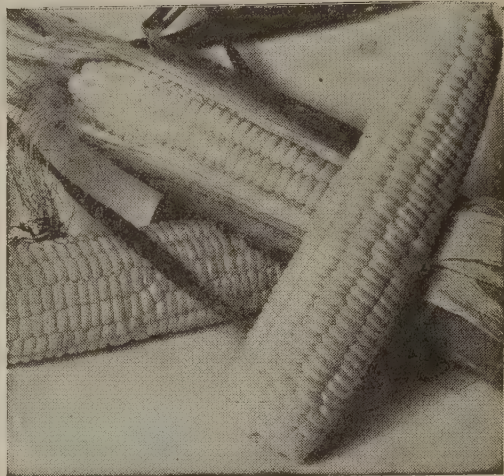
Postpaid, pkt., 15c; 1/2 lb., 35c; lb., 60c; 2 lbs., \$1.10; 5 lbs., \$2.50; 10 lbs., \$4.75.

**WHIPPLE'S EARLY YELLOW.** (Sweet.) (84 days.) One of the best large-eared, second-early varieties. Stalks 7 feet; ears 8 inches, set with 12 to 14 rows of golden yellow, fairly deep, sweet grains.

Postpaid, pkt., 10c; 1/2 lb., 25c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.50; 10 lbs., \$2.75.

**EARLY LARGE ADAMS** (Garden.) (85 days.) A hardy variety, resembling Extra Early Adams but larger and later. Ears 12- to 14-rowed; kernels white, fairly sweet and tender at roasting stage.

Postpaid, pkt., 10c; 1/2 lb., 20c; lb., 30c; 2 lbs., 50c; 5 lbs., \$1.00; 10 lbs., \$1.75.



GOLDEN CROSS BANTAM YELLOW HYBRID

**EXTRA EARLY ADAMS** (Garden.) (75 days.) Widely used in the South for early planting for roasting ears. Ears 12-rowed; white; reasonably tender and sweet when young. Husks of the Adams series are tight fitting, limiting ear-worm damage.

Postpaid, pkt., 10c; 1/2 lb., 20c; lb., 30c; 2 lbs., 50c; 5 lbs., \$1.00; 10 lbs., \$1.75.

**EARLY SURPRISE.** (Garden.) (68 days.) You can depend on getting it right from us. Stalks 7 feet tall, ears 9 to 10 inches long, producing generally two good ears to a stalk. Grains white and stay tender longer than the average varieties of garden corns. It also adapts itself as a fine early field corn.

Postpaid, pkt., 10c; 1/2 lb., 20c; lb., 30c; 2 lbs., 50c; 5 lbs., \$1.00; 10 lbs., \$1.75.

**TRUCKER'S FAVORITE** (Garden.) (85 days.) Ears 8 inches long, even rowed, tender and of fine quality, usually produces two good ears to each stalk. An excellent variety for field culture or for late planting to use as a garden crop.

Postpaid, pkt., 10c; 1/2 lb., 20c; lb., 30c; 2 lbs., 50c; 5 lbs., \$1.00; 10 lbs., \$1.75.

## POP CORN

### For Planting

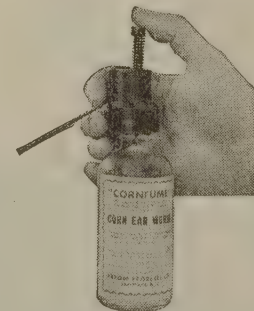
**AUSTRALIAN DYNAMITE OR T. N. T.** (Yellow.) (120 days.) Produces large yellow kernels, pops large, crisp and tender, flavor excellent. Vigorous, tall growing, produces 2 to 3 ears to a stalk, 6 to 9 inches long.

Postpaid, pkt., 10c; 1/2 lb., 25c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.50; 10 lbs., \$2.75.

**BABY RICE.** (White.) (120 days.) This is a dwarf growing, heavy yielding variety; the ears are thick in proportion to their length. The kernels resemble the best white rice and pop larger and without hull. The flavor is excellent. Fine for home use.

Postpaid, pkt., 10c; 1/2 lb., 25c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.50; 10 lbs., \$2.75.

## CORNFUME



For the control of the Corn Ear Worm. Based on a formula successfully used in tests made by leading agricultural specialists. Economical. Easy to apply. The Cornfume Pump delivers just the right dose in one application. To be applied on the corn just before the silk turns brown. One application is sufficient for effective control. Tasteless and odorless. Cornfume does not impart any foreign flavor to the corn. Harmless and non-poisonous when used in Corn Ear Worm control.

Postpaid, half pint size, 70c; pint size, \$1.05; half pint size with Cornfume Pump, \$1.65.



# Collards - Eggplant - Garlic - Herbs - Kale - Leek

## EGGPLANT—Good Wholesome Eating



**BLACK BEAUTY**

### CHIVES

Also called Schnittlauch. Small perennial of the onion family. Leaves used in salads and for flavoring soups and stews. Sow in March, transplant in April.

Postpaid, pkt., 10c; 1/2 oz., 45c; oz., 75c.

### COLLARDS

**Culture**—Sow in spring 1/2 inch deep in 2 1/2-foot rows, thin to 12 inches in the row. Late plantings for fall use should be made in June and July. Cultivate like cabbage; they are very hardy and easy to grow. One ounce will drill 100 feet of row or make 1,000 plants. Use 1 to 2 pounds to sow an acre in drills.

**GEORGIA WHITE CABBAGE.** (80 days.) An improved type, producing compact plants 1 1/2 feet tall with clusters of loose leaves, forming a small head.

Postpaid, pkt., 5c; oz., 10c; 1/4 lb., 25c; 1/2 lb., 40c; lb., 65c; 5 lbs., \$2.75.

**SOUTHERN or GEORGIA.** (80 days.) The regular native blue stem variety, very hardy and tender.

Postpaid, pkt., 5c; oz., 10c; 1/4 lb., 25c; 1/2 lb., 40c; lb., 65c; 5 lbs., \$2.75.



**GREEN CURLED**

### ENDIVE

**Culture**—For early use, sow in the open ground in April; for main crop, sow in June or July in rows 18 to 24 inches apart. Cover seed 1 inch deep. Thin plants to stand 1 foot apart in the row. When nearly full grown, the Endive is blanched by drawing the outer leaves together over the center and tying them, or blanch by laying a board upon the plant. Use a packet to 25 feet of row; an ounce to 100 feet.

**GREEN CURLED.** (85 days.) Before blanching, the finely cut, laciniated leaves are a rich green color, when blanched they are a beautiful creamy white, crisp, tender, and of an agreeable pungent flavor.

Postpaid, pkt., 5c; oz., 15c; 2 oz., 25c; 1/4 lb., 40c; 1/2 lb., 70c; lb., \$1.25; 3 lbs., \$3.45.

**BROAD-LEAF BATAVIAN (Escarolle).** (95 days.) Light green curled or moss-like leaves which easily blanch to pure white. Have a most delicious, crisp, refreshing flavor. Makes a wholesome and appetizing salad and may be stored for use during the winter.

Postpaid, pkt., 5c; oz., 15c; 2 oz., 25c; 1/4 lb., 40c; 1/2 lb., 70c; lb., \$1.25; 3 lbs., \$3.45.

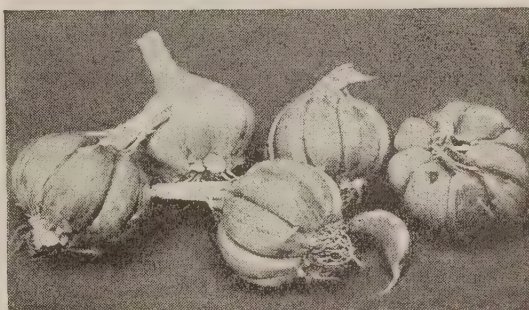
**Culture**—Sow in hotbeds in February or March. When 2 inches high transplant to 3 to 3 1/2-foot rows. One ounce of seed will produce 1,000 plants.

**FLORIDA HIGH BUSH.** (130 days.) Stands heat well; the fruit is round, smooth and very large; color bright purple.

Postpaid, pkt., 10c; 1/2 oz., 25c; oz., 40c; 2 oz., 75c; 1/4 lb., \$1.35; 1/2 lb., \$2.55; lb., \$4.95.

**NEW YORK PURPLE.** (130 days.) The old standard variety. Oval in shape; fruits black-purple and glossy, slightly larger than Black Beauty.

Postpaid, pkt., 10c; 1/2 oz., 25c; oz., 40c; 2 oz., 75c; 1/4 lb., \$1.35; 1/2 lb., \$2.55; lb., \$4.95.



**GARLIC BULBS**

### GARLIC

**BULBS.** As an appetizing dash of flavoring for soups and stews, many people use small quantities of this pear-shaped white bulb. In large amounts it has a strong odor and flavor. To grow garlic in the garden, the several sections or "cloves" of each bulb should be separated and set in rows 10 or 12 inches apart and 4 inches apart in the row. They should be taken up in the fall and stored in a cool, dry place until used.

Postpaid, 1/4 lb., 25c; 1/2 lb., 40c; lb., 70c; 5 lbs., \$3.00.

### HERBS

**BASIL, SWEET.** Seeds and stems have strong flavor; used in soups and sauces.

Postpaid, pkt., 10c; 1/2 oz., 30c; oz., 50c.

**DILL.** Seeds strongly aromatic with pungent flavor for flavoring pickles and for seasoning. Chief use is for Dill Pickles.

Postpaid, pkt., 5c; oz., 15c; 2 oz., 25c; 1/4 lb., 40c; 1/2 lb., 70c; lb., \$1.25.

**FENNEL, SWEET.** Seeds have pleasant taste; used in confectionery and medicinal preparations. Young shoots are eaten raw and used in soups, salads and fish sauces.

Postpaid, pkt., 10c; 1/2 oz., 35c; oz., 60c.

**LAVENDER.** Common lavender; leaves used for seasoning. Dried flowers are highly esteemed for perfume.

Postpaid, pkt., 15c; 1/4 oz., 40c; 1/2 oz., 70c; oz., \$1.25.

**MARJORAM, SWEET.** Tender shoots and leaves used for seasoning and dried for winter use.

Postpaid, pkt., 15c; 1/4 oz., 50c; 1/2 oz., 85c; oz., \$1.50.

**SAGE.** Used in flavoring or seasoning. Cut leaves as plant blooms; dry quickly in shade.

Postpaid, pkt., 10c; 1/2 oz., 60c; oz., \$1.10; 2 oz., \$2.10; 1/4 lb., \$4.00; 1/2 lb., \$7.75; lb., \$15.00.

**SUMMER SAVORY.** Dried leaves, stems and flowers used for flavoring soups and dressings.

Postpaid, pkt., 15c; 1/4 oz., 40c; 1/2 oz., 70c; oz., \$1.25.

**THYME.** Leaves and tender shoots used for seasoning during summer and dried for winter. Delicious flavoring for sausage and meats.

Postpaid, pkt., 15c; 1/4 oz., 50c; 1/2 oz., 85c; oz., \$1.50.

### HORSERADISH

**ROOTS.** There are very few people who don't need, at some time or other during the year, horseradish for seasoning. Horseradish can be grown in the South, giving best results in rich, rather moist, partly shaded locations. Set the roots small end down, with tops 2 in. below surface. Large, strong cuttings.

Postpaid, doz., 75c; 25 for \$1.25; 50 for \$2.25; 100 for \$4.25.

**BLACK BEAUTY.** (120 days.) This is the earliest and best of all large-fruited eggplants. Fruits are thick and of the most attractive form. Color rich lustrous purplish-black.

Postpaid, pkt., 10c; 1/2 oz., 25c; oz., 40c; 2 oz., 75c; 1/4 lb., \$1.35; 1/2 lb., \$2.55; lb., \$4.95.

### EGGPLANT PLANTS

**BLACK BEAUTY, NEW YORK PURPLE.**

Ready April 15th. Postpaid, doz., 40c; 3 doz., \$1.00; 6 doz., \$1.75.

### KALE

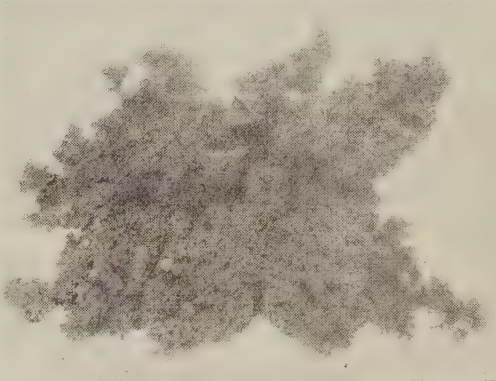
**Culture**—Sow from 2 to 3 pounds broadcast to the acre, one ounce to 100 feet of drill. Sow in March or September.

**DWARF GREEN CURLED SIBERIAN.** (60 days.) A hardy, vigorous, spreading variety of dwarf habit, 12 to 16 inches tall. Leaves large and heavy in texture, plain at center with edges curled. Color deep bluish green.

Postpaid, pkt., 5c; oz., 15c; 2 oz., 25c; 1/4 lb., 40c; 1/2 lb., 70c; lb., \$1.25; 5 lbs., \$5.75.

**DWARF GREEN CURLED SCOTCH.** (55 days.) The plant reaches a height of 15 inches with a 30-inch spread. Compact leaves, deep yellowish green, large and finely curled, plume-like.

Postpaid, pkt., 5c; oz., 15c; 2 oz., 25c; 1/4 lb., 45c; 1/2 lb., 80c; lb., \$1.45; 5 lbs., \$6.75.



**DWARF GREEN CURLED SIBERIAN**

### KOHLRABI

**Culture**—Plant in 2- to 3-ft. rows as early as the ground can be worked in the spring, thinning out to stand 5 to 6 inches apart in the row. One ounce plants 300 feet.

**WHITE VIENNA.** (60 days.) An extra early variety making bulbs 2 to 2 1/2 inches across. Sweet and tender.

Postpaid, pkt., 10c; 1/2 oz., 25c; oz., 40c; 2 oz., 70c; 1/4 lb., \$1.25; 1/2 lb., \$2.25; lb., \$4.25.



### LEEK

**Culture**—Sow early in the spring one-half inch deep in rows 12 to 24 inches apart and thin to 4 to 6 inches in the row. Cultivate and draw the earth to them as they grow.

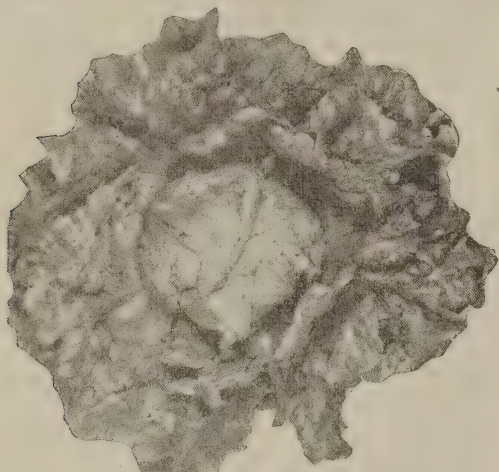
**LONDON FLAG.** (85 days.) Stems 10 inches long, 1 1/2 inches thick; leaves large, broad and dark green.

Postpaid, pkt., 10c; 1/2 oz., 30c; oz., 55c; 2 oz., 95c; 1/4 lb., \$1.75; 1/2 lb., \$3.25; lb., \$6.25.



# LETTUCE *the No. 1 Salad Vegetable*

**How and When to Plant** One ounce will sow 100 feet of drill; 2 to 3 pounds will sow one acre in drills. Sow the seed in hotbeds in February or March, transplant into a sheltering border with southern exposure. For successive crops, sowing may be made in the open ground as early as the spring opens and continued until July. Always thin out well or the plants will not be strong. When wanted as a cut salad sow thickly in rows or broadcast.



NEW YORK WONDERFUL

**NEW YORK WONDERFUL (Hard Head).** (75 days.) Also known as Los Angeles. The plants are large, 12 to 15 inches across with dark green leaves only slightly curled on the edges. Heads are solid, well blanched, sweet and tender.  
Postpaid, pkt., 5c; oz., 30c; 2 oz., 50c; 1/4 lb., 85c; 1/2 lb., \$1.55; lb., \$2.95; 3 lbs., \$8.55.

**MIGNONNETTE (Hard Head).** (67 days.) Splendid for the home garden. Plant medium small, compact, medium brown with dark greenish tinge; leaves frilled, head globular, firm, heart well blanched, almost white, of excellent quality.  
Postpaid, pkt., 5c; oz., 20c; 2 oz., 35c; 1/4 lb., 55c; 1/2 lb., 95c; lb., \$1.75; 3 lbs., \$4.95.

**BIG BOSTON (Hard Head).** (75 days.) Early and hardy. Big Boston grows to an enormous size, well grown heads measuring from 10 to 12 inches across. Grows well during hot weather, but during the cool weather it heads particularly well, forming a tightly folded heart which consists of beautifully blanched, tender leaves.  
Postpaid, pkt., 5c; oz., 20c; 2 oz., 35c; 1/4 lb., 60c; 1/2 lb., \$1.05; lb., \$1.95; 3 lbs., \$5.55.

**IMPERIAL NO. 847 (Hard Head).** (80 days.) Well adapted to southern conditions, producing excellent heads under higher temperature than ordinary heading varieties. Vigorous and resistant to disease. Heads medium large, well formed, compact, crumpled, well covered by inner leaves; exterior light green, interior white, crisp and tender.  
Postpaid, pkt., 5c; oz., 30c; 2 oz., 50c; 1/4 lb., 85c; 1/2 lb., \$1.55; lb., \$2.95; 3 lbs., \$8.55.

**ICEBERG (Hard Head).** (82 days.) Plant large with broad, crisp, wavy light green leaves tinged brown on margins. Head large, well folded, white inside, crisp, very sweet and tender.  
Postpaid, pkt., 5c; oz., 20c; 2 oz., 30c; 1/4 lb., 65c; 1/2 lb., \$1.20; lb., \$2.25; 3 lbs., \$6.45.

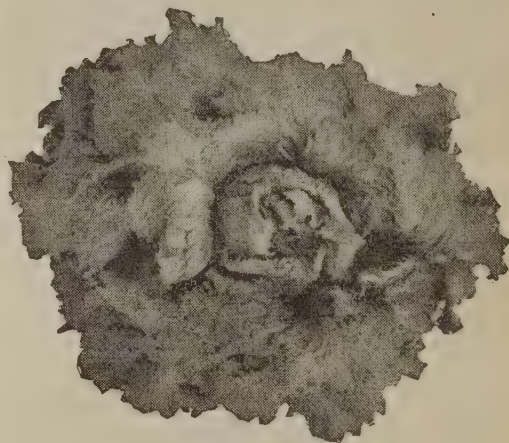
**BIBB LETTUCE (Loose Head).** (65 days.) A very distinct variety of lettuce that has long been the favorite for salads in Kentucky where it originated. It possesses a crispness and flavor all its own and once grown you'll never again be without it. The heads are very small, somewhat loose in form, with outer leaves a deep, glossy green. Bibb lettuce grows the same as other varieties except that plants are set only 6 inches apart, because of their small size.  
Postpaid, pkt., 10c; 3 pkts. for 25c.

**EARLY CURLED SIMPSON (Loose Leaf).** (45 days.) Also well known as "White Seeded Simpson." Very hardy and dependable. Plant large, compact, bright, light lustrous green; leaves broad, frilled, firm, crisp, sweet and of good quality.  
Postpaid, pkt., 5c; oz., 20c; 2 oz., 35c; 1/4 lb., 55c; 1/2 lb., 95c; lb., \$1.75; 3 lbs., \$4.95.

**BLACK SEEDED SIMPSON (Loose Leaf).** (45 days.) Dependable in all parts of America and widely grown in home and market gardens. Plant large, attractive, compact with broad, frilled light green leaves that are of fine crisp texture and splendid quality.  
Postpaid, pkt., 5c; oz., 20c; 2 oz., 35c; 1/4 lb., 55c; 1/2 lb., 95c; lb., \$1.75; 3 lbs., \$4.95.

**CHICKEN LETTUCE (Loose Leaf).** (40 days.) A genuine lettuce which will yield as much or more chicken or rabbit feed than any plant you may have used for "greens." When once cut it starts to grow again and makes a successive crop.  
Postpaid, pkt., 5c; oz., 20c; 2 oz., 35c; 1/4 lb., 55c; 1/2 lb., 95c; lb., \$1.75; 3 lbs., \$4.95.

**PRIZE HEAD (Loose Leaf).** (45 days.) Very early, quick growing and popular for home gardens. Plants medium large, strictly loose leaf; leaves broad, crumpled and frilled; outside leaves tinged with red, inner leaves wholly green; very crisp, sweet and tender.  
Postpaid, pkt., 5c; oz., 20c; 2 oz., 35c; 1/4 lb., 55c; 1/2 lb., 95c; lb., \$1.75; 3 lbs., \$4.95.



PRIZE HEAD

## LETTUCE PLANTS

BIG BOSTON, NEW YORK WONDERFUL. Ready March 1st. Postpaid, 25 for 35c, 50 for 60c, 100 for \$1.00, 300 for \$2.75.

# MUSTARD---*The South's Favorite Greens*

**How and When to Plant** Sow seed in any good garden soil early in the spring, in rows 2 to 3 feet apart and when well up thin out the plants so as to stand 3 to 4 inches apart. By making several sowings a week or so apart, the fresh, tender leaves may be had throughout the season. Sow also in August and September for fall crops, 2 to 3 pounds will plant an acre.



SOUTHERN GIANT CURLED

**SOUTHERN GIANT CURLED (Curly-leaf).** (30 days.) Produces large leaves; makes very fine greens; flavor is all that can be desired. Sow in February for early spring use.  
Postpaid, pkt., 5c; oz., 10c; 1/4 lb., 25c; 1/2 lb., 40c; lb., 65c; 5 lbs., \$2.75.

**ELEPHANT EAR (Smooth Leaf).** (40 days.) The leaves are smooth, very large, tender and succulent. Grows upright and makes a large plant.  
Postpaid, pkt., 5c; oz., 10c; 1/4 lb., 25c; 1/2 lb., 40c; lb., 65c; 5 lbs., \$2.75.

**SOUTHERN GIANT CURLED LONG STANDING (Curly-leaf).** (30 days.) A fine strain, stands a long time before bolting to seed. Leaves beautifully curled, frilled and crumpled, large, light green.  
Postpaid, pkt., 5c; oz., 10c; 1/4 lb., 30c; 1/2 lb., 45c; lb., 75c; 5 lbs., \$3.25.

**FLORIDA BROAD LEAF (Smooth Leaf).** (40 days.) Produces large, light green, broad smooth leaves well above the ground. Plants grow quickly; upright when young, and spread out with age.  
Postpaid, pkt., 5c; oz., 10c; 1/4 lb., 25c; 1/2 lb., 40c; lb., 65c; 5 lbs., \$2.75.

**LARGE SMOOTH LEAF (Smooth Leaf).** (40 days.) This wonderful variety has large, light green, plain or smooth leaves; this feature gives it a preference over the curled sorts as it is very easily prepared for cooking.  
Postpaid, pkt., 5c; oz., 10c; 1/4 lb., 25c; 1/2 lb., 40c; lb., 65c; 5 lbs., \$2.75.

**TENDER GREENS or MUSTARD-SPINACH (Smooth Leaf).** (30 days.) A quick growing vegetable greens of Oriental origin, where it takes the place of spinach. It is practically an all-season plant.  
Postpaid, pkt., 5c; oz., 15c; 1/4 lb., 35c; 1/2 lb., 55c; lb., 95c; 5 lbs., \$4.25.

**WHITE LONDON (Smooth Leaf).** An early sort, grown principally for its light colored seeds, which are used for making table mustard. Not used for greens, as it bolts to seed very early.  
Postpaid, pkt., 5c; oz., 10c; 1/4 lb., 30c; 1/2 lb., 45c; lb., 75c.

**CHINESE MAMMOTH (Smooth Leaf).** (40 days.) Good quality for salads or boiling and remains for use a long time. The quick, almost rank growth insures tenderness, mildness and freedom from bitter flavor.  
Postpaid, pkt., 5c; oz., 10c; 1/4 lb., 25c; 1/2 lb., 40c; lb., 65c; 5 lbs., \$2.75.



CHINESE MAMMOTH (Smooth Leaf)

RUSSELL-HECKLE

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For Quantity Prices



# ONIONS---Full of Flavor

## When and How to Plant

Onions require a fertile soil, well pulverized and drained. Sow in March and April in rows 24 to 30 inches apart, covering the seed one-half inch deep. When the plants are 3 or 4 inches high, thin them out where too thick in the row. Cultivate thoroughly. One ounce will sow 100 feet of row; 3 to 4 pounds per acre. Onions mature when grown from seed in 120 to 180 days. For best results mix 4 pounds Vigoro Fertilizer per 100 feet of row before planting.

**YELLOW GLOBE DANVERS.** A splendid variety for home gardens and market. Nearly globe shaped, with pure yellow skin, white flesh and mild flavor. Bulbs about 2 inches in diameter. Very productive and a fairly good keeper.

Postpaid, pkt., 10c; 1/2 oz., 25c; oz., 40c; 2 oz., 70c; 1/4 lb., \$1.25; 1/2 lb., \$2.35; lb., \$4.50.

**YELLOW BERMUDA.** One of the most widely used varieties in the country. An early flat onion, light straw colored, small top. Flesh white and mild.

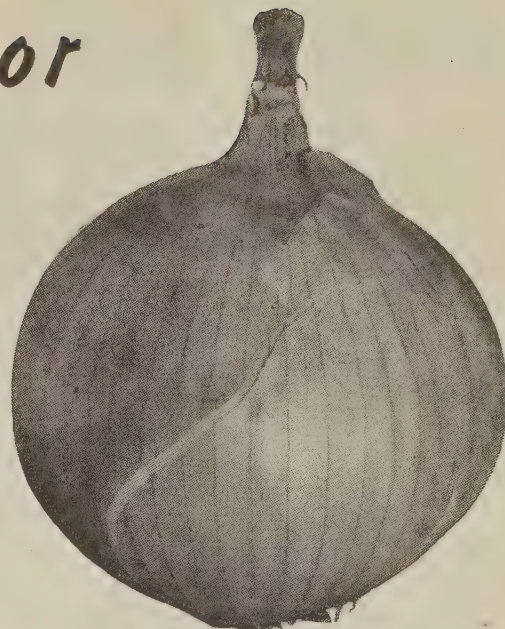
Postpaid, pkt., 10c; 1/2 oz., 25c; oz., 40c; 2 oz., 70c; 1/4 lb., \$1.25; 1/2 lb., \$2.25; lb., \$4.25.

**YELLOW SWEET SPANISH.** The best of the very mild varieties. One of the original Spanish types, but a better keeper because it was selected for keeping qualities. Deep amber orange; small neck, globular.

Postpaid, pkt., 10c; 1/2 oz., 35c; oz., 55c; 2 oz., \$1.00; 1/4 lb., \$1.85; 1/2 lb., \$3.50; lb., \$6.75.

**RED WETHERSFIELD.** Standard late variety of splendid keeping quality; excellent for sets and mature bulbs. Bulbs large; flat but rather deep; skin deep purplish red; flesh white with faint pink flush; strong.

Postpaid, pkt., 10c; 1/2 oz., 25c; oz., 40c; 2 oz., 70c; 1/4 lb., \$1.25; 1/2 lb., \$2.35; lb., \$4.50.



YELLOW SWEET SPANISH

**WHITE SILVERSKIN.** Most widely used white onion for sets, pickling onions, mature bulbs and for bunching onions from seed. Bulbs of medium size; flat but fairly deep; pure white; flesh fine grained, firm and hard. A splendid keeper.

Postpaid, pkt., 10c; 1/2 oz., 30c; oz., 50c; 2 oz., 85c; 1/4 lb., \$1.55; 1/2 lb., \$2.95; lb., \$5.75.

**WHITE WAX BERMUDA.** Similar to Yellow Bermuda in all respects except color, which is a clear glistening white. An early flat onion, sweet and mild.

Postpaid, pkt., 10c; 1/2 oz., 25c; oz., 40c; 2 oz., 75c; 1/4 lb., \$1.35; 1/2 lb., \$2.55; lb., \$4.95.

**PRIZETAKER.** Productive, widely grown for shipping. Bulbs large, globular; skin thin, glossy and of a light shade of yellow. Flesh coarse but mild, crisp and sweet.

Postpaid, pkt., 10c; 1/2 oz., 30c; oz., 55c; 2 oz., 95c; 1/4 lb., \$1.70; 1/2 lb., \$3.25; lb., \$6.25.



ONION PLANTS

## TOP NOTCH ONION PLANTS

Plant in February or March, 4 to 6 inches apart in 24-inch rows; early plantings should be mulched slightly. It takes about 60,000 plants per acre. Our onion plants are high quality Texas grown. We begin shipping onion plants in January if the weather is not too severe. None shipped C. O. D.

VARIETY	100	200	500	1,000
White Wax Bermuda (Postpaid).....	.30	\$ .55	\$1.10	\$1.95
Yellow Bermuda (Postpaid).....	.30	.55	1.10	1.95

## TOP NOTCH ONION SETS

Set 3 to 4 inches apart, in March and April. Have rows 24 to 30 inches apart. Give them clean cultivation and plenty of fertilizer. Our sets are quality stock.

VARIETY	1 lb.	4 lbs.	8 lbs.
Red Wethersfield (Postpaid).....	.40	\$1.25	\$2.25
Yellow Danvers (Postpaid).....	.40	1.25	2.25
White Silverskin (Postpaid).....	.45	1.30	2.35

## PARSLEY

A beautiful plant used for garnishing and for flavoring or seasoning soups and stews. Use the green leaves or dry them crisp and rub into a powder, keeping in bottles until needed for flavoring. Sow in March and April, also in September, in rows 18 to 24 inches apart and one-half inch in depth, cover lightly. One ounce will sow 100 feet of drill.

**PARAMOUNT.** (70 days.) Color unusually rich, dark green, texture more uniformly and attractively "triple curled" than older strains.

Postpaid, pkt., 5c; oz., 15c; 2 oz., 25c; 1/4 lb., 40c; 1/2 lb., 70c; lb., \$1.25; 5 lbs., \$5.75.

**DOUBLE CURLED.** (70 days.) Very handsome; rich, deep green with finely curled leaves. Coarser than triple curled, but more frost resistant.

Postpaid, pkt., 5c; oz., 15c; 2 oz., 25c; 1/4 lb., 40c; 1/2 lb., 70c; lb., \$1.25; 5 lbs., \$5.75.

**PLAIN or SINGLE.** (60 days.) The standard variety of plain leaved parsley. Leaves dark green, deeply cut, but not curled.

Postpaid, pkt., 5c; oz., 15c; 2 oz., 25c; 1/4 lb., 40c; 1/2 lb., 70c; lb., \$1.25; 5 lbs., \$5.75.

## PARSNIPS

Excellent for table use; prepared for like turnips or carrots, parsnips produce an immense crop of roots on favorable soil. They are more nutritious than turnips and any surplus will be found very valuable in stock feeding, especially for milch cows. Parsnips succeed best on deep, rich, sandy soil but do well on any good deep, mellow soil. Fresh manure makes coarse roots of uneven shapes. Sow seed in early spring, one inch deep, in rows 18 to 24 inches apart and when 3 inches high thin to 4 to 6 inches apart in row. One ounce of seed for 100 feet of row; 5 to 6 pounds of seed required for an acre.

**SUGAR or HOLLOW CROWN.** (110 days.) The best all-around variety of parsnips. The leaves start from a depression in the crown of the root, thus giving it the name of "Hollow Crown." Rich, with smooth white skin; very sweet flavor, immensely productive.

Postpaid, pkt., 5c; oz., 15c; 2 oz., 25c; 1/4 lb., 40c; 1/2 lb., 70c; lb., \$1.25; 5 lbs., \$5.75.

## BE SURE

## TO PLANT

# Okra or Gumbo

## NEW

## VARIETIES

One ounce will plant 100 hills. Sow about the first of May, in drills 3 feet apart, and thin out the plants to 1 foot apart. Soak seed in water 12 hours—they germinate easier. The pods should be picked daily to prolong the bearing season.

**CLEMSON GREEN SPINELESS.** (55 days.) (3 1/2 to 4 1/2 ft. tall.) Developed by the South Carolina Experiment Station. Remarkably uniform; highly productive; pods rich green, straight, moderately ridged and of high quality. A valuable introduction for commercial or garden crops.

Postpaid, pkt., 5c; oz., 10c; 1/4 lb., 30c; 1/2 lb., 50c; lb., 85c; 5 lbs., \$3.75.

**DWARF GREEN PROLIFIC.** (50 days.) (2 1/2 to 3 ft. tall.) A dwarf, compact plant with many branches. Pods long, deep green, slightly corrugated and very thickly set on the plant; fine quality. Very productive.

Postpaid, pkt., 5c; oz., 10c; 1/4 lb., 30c; 1/2 lb., 45c; lb., 75c; 5 lbs., \$3.25.

**TALL LONG GREEN.** (56 days.) (4 to 5 ft. tall.) Standard medium early sort for home, market garden and canning. Pods dark green, fleshy, tender; distinctly ribbed and tapered. A desirable variety, being very productive.

Postpaid, pkt., 5c; oz., 10c; 1/4 lb., 30c; 1/2 lb., 45c; lb., 75c; 5 lbs., \$3.25.

**WHITE LIGHTNING SPINELESS.** (50 days.) (4 to 5 ft. tall.) An excellent development of White Velvet type for the home or market garden. Long tapering pods, greenish white, round, smooth and entirely spineless, stay tender to larger size than most other varieties.

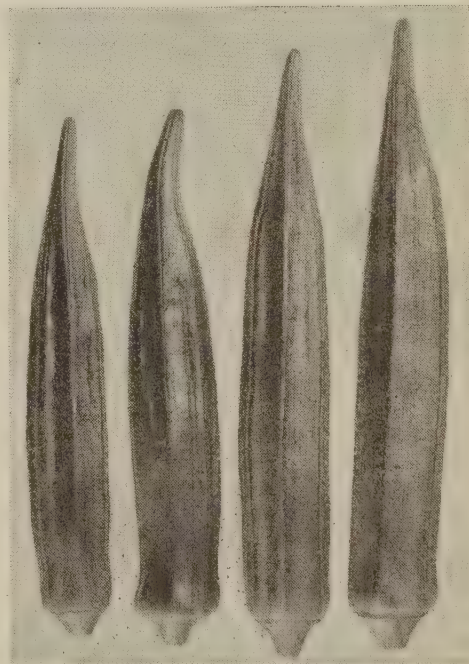
Postpaid, pkt., 5c; oz., 10c; 1/4 lb., 30c; 1/2 lb., 45c; lb., 75c; 5 lbs., \$3.25.

**LOUISIANA GREEN VELVET.** (55 days.) A green, spineless, round podded, velvet okra, which remains tender until quite long, prolific; for home and commercial use.

Postpaid, pkt., 5c; oz., 10c; 1/4 lb., 30c; 1/2 lb., 50c; lb., 85c; 5 lbs., \$3.75.

**WHITE VELVET.** (60 days.) (4 to 4 1/2 ft. tall.) A standard variety in the South for home gardens and market. Pods are round, smooth, long and tapering, free from ridges, not prickly to touch, and greenish-white in color and fine quality.

Postpaid, pkt., 5c; oz., 10c; 1/4 lb., 30c; 1/2 lb., 45c; lb., 75c; 5 lbs., \$3.25.



TALL LONG GREEN



# Garden Fresh PEAS Are Very Delicious

**How, Where and When to Plant** One pound will plant 100 feet of single row; 60 to 75 pounds for an acre. A light soil is best for the early varieties, a heavier soil that will retain moisture for the main crop. Peas are a cool weather crop. Plant the smooth-seeded varieties as soon as the ground can be worked in February. The wrinkled-seeded varieties should be planted in March. The southern grown varieties should be planted in May and June. Make main crop plantings 3 to 4 inches deep. Peas are usually planted in double rows, 12 inches between rows and 3 to 4 inches between seeds. Plantings should be made every week until hot weather. For best results mix 4 pounds Vigoro Fertilizer per 100 feet of row before planting.

## SMOOTH-SEEDED GARDEN PEAS

**EARLY ALASKA.** (Wilt-resistant.) (54 days.) (Height 33 inches.) One of the earliest garden peas in cultivation. Alaska is one of the most widely grown peas for canning purposes, also a prime favorite with market growers, as it holds its green color so well, and almost the entire crop can be gathered at a single picking.  
Postpaid, pkt., 10c; 1/2 lb., 20c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.25; 10 lbs., \$2.25.

**AMEER.** (60 days.) (Height 36 inches.) Sometimes called Big Pod Alaska. Only a few days later than Early Alaska but the pods are nearly double as large, the peas are larger, and it is more productive. The dark green pods are frequently borne in pairs, and the quality is good.  
Postpaid, pkt., 10c; 1/2 lb., 20c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.25; 10 lbs., \$2.25.

**FIRST AND BEST EXTRA EARLY.** (54 days.) (Height 30 inches.) As early as Alaska, a trifle darker green, but otherwise similar. Heavy bearing, delicious eating quality and uniform maturity make this a big favorite for home, market and canning. The seeds are round and faintly dimpled.  
Postpaid, pkt., 10c; 1/2 lb., 20c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.25; 10 lbs., \$2.25.

**LARGE WHITE MARROWFAT.** (82 days.) (Height 5 feet.) Very productive late variety for home garden; suitable for dry use and grown extensively for that purpose. The pods are about three inches long and contain 4 to 5 large peas. On poor ground this variety will outyield all others.  
Postpaid, pkt., 10c; 1/2 lb., 20c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.25; 10 lbs., \$2.25.



EARLY ALASKA

## WRINKLED-SEEDED GARDEN PEAS

**ALDERMAN.** (75 days.) (Height 4 1/2 to 5 feet.) Splendid dark podded variety. Excellent for home, market garden and shipping. Pods dark green, 4 1/2 to 5 1/2 inches long, containing nine large tasty wrinkled peas.  
Postpaid, pkt., 10c; 1/2 lb., 25c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.50; 10 lbs., \$2.75.

**AMERICAN WONDER.** (59 days.) (Height, 12-14 inches.) Very important early dwarf variety for the home garden. Pods plump, 3 inches long; peas wrinkled, of fine flavor. Very productive.  
Postpaid, pkt., 10c; 1/2 lb., 25c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.50; 10 lbs., \$2.75.

**BLISS EVERBEARING.** (72 days.) (Height 30 inches.) Popular for the home garden. Peas large, wrinkled, sweet; of marrowy texture and flavor. Has long bearing period.  
Postpaid, pkt., 10c; 1/2 lb., 25c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.50; 10 lbs., \$2.75.

**DWARF TELEPHONE or DAISY.** (75 days.) (Height 24 inches.) Very satisfactory variety for home, market garden and shipping. Pods light green, 4 1/2 inches long, plump tapered at end. Peas large, wrinkled, green.  
Postpaid, pkt., 10c; 1/2 lb., 25c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.50; 10 lbs., \$2.75.



LITTLE MARVEL

**LAXTON'S PROGRESS.** (60 days.) (Height 18-22 inches.) Splendid dwarf variety for home, market garden and shipping. Pods handsome; dark green; fully 4 inches long. Filled with light greenish-cream, tender, wrinkled peas.  
Postpaid, pkt., 10c; 1/2 lb., 25c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.50; 10 lbs., \$2.75.

**LITTLE MARVEL.** (62 days.) (Height 18-20 inches.) Unsurpassed in quality and productivity; particularly valuable for the home garden. Pods dark green, 3 inches long, filled with medium size wrinkled green peas as sweet as you ever tasted. This is by far one of the most delicious dwarf peas on our list.  
Postpaid, pkt., 10c; 1/2 lb., 25c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.50; 10 lbs., \$2.75.

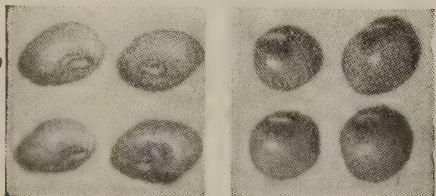
**MCLEAN'S LITTLE GEM.** ((62 days.) (Height 18 inches.) Pods medium green, 2 3/4 inches long, seeds wrinkled, medium size, rich green, very sweet.  
Postpaid, pkt., 10c; 1/2 lb., 25c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.50; 10 lbs., \$2.75.

**GRADUS or PROSPERITY.** (58 days.) (Height 3 to 3 1/2 feet.) One of the earliest of the wrinkled peas. Used extensively for home and market gardens. A superb variety of delicious quality. The pods, which are 4 inches long, contain 6 to 8 large, delicious peas. Hardy and prolific, pods uniform, well shaped, and pointed.  
Postpaid, pkt., 10c; 1/2 lb., 25c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.50; 10 lbs., \$2.75.

**TALL TELEPHONE.** (73 days.) (Height 4 to 4 1/2 feet.) One of the best home and market garden sorts; sometimes used for canning. Pods borne singly, 4 1/2 inches long, plump, straight, tapering at end. Peas large, wrinkled, green in color, of fine table quality.  
Postpaid, pkt., 10c; 1/2 lb., 25c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.50; 10 lbs., \$2.75.

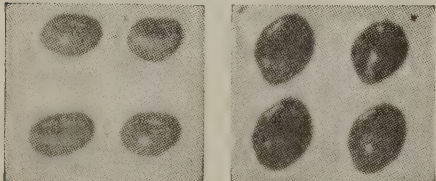
**THOMAS LAXTON.** (57 days.) (Height 3 to 3 1/2 feet.) Unsurpassed for the home garden as an early large-podded pea of high quality. Pods deep green, 3 1/2 inches long, plump, blunt; peas wrinkled, cream green, very sweet, tender and delicious.  
Postpaid, pkt., 10c; 1/2 lb., 25c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.50; 10 lbs., \$2.75.

**LAXTONIAN.** (62 days.) (Height 18-22 inches.) Prolific, large podded, dwarf variety; easy to grow. Pods dark green, 4 inches long. Peas large, wrinkled.  
Postpaid, pkt., 10c; 1/2 lb., 25c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.50; 10 lbs., \$2.75.



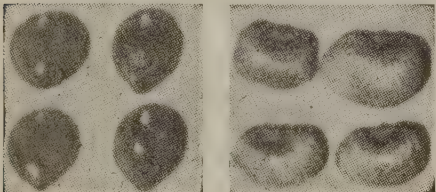
RICE OR CREAM

WHITE CROWDER



LADY OR GALLIVANT

DWARF BLACKEYE



BROWN CROWDER

WHITE BLACKEYE

## SOUTHERN-GROWN GARDEN PEAS

**RICE OR CREAM.** (Semi-Dwarf.) Early. Similar to Gallivant or Lady, but larger, very popular.  
Postpaid, pkt., 10c; 1/2 lb., 25c; lb., 45c; 2 lbs., 80c; 5 lbs., \$1.75.

**LADY or GALLIVANT.** (Running.) There are more of these peas sold on the Southern markets than any other of the small white peas. Fine flavor.  
Postpaid, pkt., 10c; 1/2 lb., 25c; lb., 45c; 2 lbs., 80c; 5 lbs., \$1.75.

**CALICO.** (Running.) White pea with red splotches, known in some sections as Coat and Jacket, Joseph Coat, and Wild Goose. Peas of good flavor and not as strong as most dark peas.  
Postpaid, pkt., 10c; 1/2 lb., 25c; lb., 45c; 2 lbs., 80c; 5 lbs., \$1.75.

**WHITE BROWNEYE PURPLE HULL.** (Semi-Dwarf.) Produces green peas of good quality. Very prolific with well-filled pods.  
Postpaid, pkt., 10c; 1/2 lb., 25c; lb., 45c; 2 lbs., 80c; 5 lbs., \$1.75.

**BROWN SUGAR CROWDER.** (Semi-Dwarf.) Will bunch on poor ground, make some vine on good soil, sometimes larger than the White or Cream Crowder; very prolific.  
Postpaid, pkt., 10c; 1/2 lb., 25c; lb., 45c; 2 lbs., 80c; 5 lbs., \$1.75.

**LARGE WHITE BLACKEYE.** (Running.) Main crop pea, late maturing. Long pods well filled; good producers.  
Postpaid, pkt., 10c; 1/2 lb., 25c; lb., 45c; 2 lbs., 80c; 5 lbs., \$1.75.

**WHITE SUGAR CROWDER.** (Semi-Dwarf.) Very sweet. Considered best of the Crowders for home or market.  
Postpaid, pkt., 10c; 1/2 lb., 25c; lb., 45c; 2 lbs., 80c; 5 lbs., \$1.75.

**EXTRA EARLY BLACKEYE.** (Dwarf.) Often called Small or Six Weeks Blackeye. This is the earliest of all Blackeye Peas. It is a prolific bearer of sweet, tender, delicious green peas. For dried winter use plant in early August.  
Postpaid, pkt., 10c; 1/2 lb., 25c; lb., 45c; 2 lbs., 80c; 5 lbs., \$1.75.



# Plant Some of These Top Notch PEPPERS



**FORDHOOK**

**FORDHOOK.** (Sweet.) (67 days.) Plants are 15 to 18 inches tall, erect, bearing fruits upright in large clusters. The fruit is blocky, just the right size and shape for stuffing, measuring 3 to 3½ inches in diameter, and 3½ to 3¾ inches in length. Color glossy dark green turning bright red when ripe. The flesh is 3/16-inch thick, tender, crisp and, of course, always sweet.

Postpaid, pkt., 10c; ½ oz., 25c; oz., 45c; 2 oz., 80c; ¼ lb., \$1.50; ½ lb., \$2.85; lb., \$5.50.

**WORLD BEATER.** (Sweet.) (70 days.) Plants sturdy, erect and very productive. Fruits four-lobed, 3½ by 5 inches, glossy and smooth, deep green when young, changing to bright scarlet when ripe. Flesh unusually thick, mild and sweet.

Postpaid, pkt., 10c; ½ oz., 20c; oz., 35c; 2 oz., 60c; ¼ lb., \$1.10; ½ lb., \$2.05; lb., \$3.95.

## SPECIAL VARIETIES PEPPERS

For Pepper Sauce—Pickling—Drying.

**BIRD'S EYE CREOLE**

**RED CHILI**

**TABASCO**

Postpaid, pkt., 10c; ½ oz., 30c; oz., 55c.

## How, Where and When to Plant

Peppers should be started in a hotbed or cold frame and transplanted about the end of May into a sunny corner of the garden, in rows about 2 to 3 feet apart, with the plants about 18 to 24 inches between them in rows. In warmer sections they can also be sown in open ground in a prepared seedbed when all danger from frost has passed. When the little plants are about 3 inches in height, transplant as above into the rows where they are to remain. For best results work a level tablespoonful of Vigoro Fertilizer in the soil around the plant when transplanting to the field.

### CALIFORNIA WONDER. (Sweet.) (72 days.)

Plant vigorous, upright, prolific. Fruits mostly 4-lobed, upright, slightly longer than standard strains; very attractive, smooth, uniform and deep green, changing to bright crimson; flesh very thick, sweet and mild.

Postpaid, pkt., 10c; ½ oz., 25c; oz., 40c; 2 oz., 75c; ¼ lb., \$1.35; ½ lb., \$2.55; lb., \$4.95.

### BELL or BULL NOSE. (Sweet.) (55-60 days.)

The earliest pepper of the "bell" type. A popular prolific sort, with small, erect plants. Fruits blunt, deep green changing to scarlet red; mild in flavor.

Postpaid, pkt., 10c; ½ oz., 20c; oz., 35c; 2 oz., 60c; ¼ lb., \$1.10; ½ lb., \$2.05; lb., \$3.95.

### \*RUBY KING. (Sweet.) (68 days.)

Plants erect, vigorous and very productive. Fruits 3 by 5 inches, tapering, dark green turning red. Flesh crisp, tender and very mild, and pleasant to the taste.

Postpaid, pkt., 10c; ½ oz., 25c; oz., 40c; 2 oz., 70c; ¼ lb., \$1.25; ½ lb., \$2.35; lb., \$4.50.

### HUNGARIAN YELLOW WAX. (Hot.) (65 days.)

Valuable for market gardeners and canners. Plant dwarf and prolific. Fruits pendent, medium slender, tapering, smooth and very pungent. Color waxy yellow changing to bright crimson at maturity.

Postpaid, pkt., 10c; ½ oz., 25c; oz., 45c; 2 oz., 80c; ¼ lb., \$1.50; ½ lb., \$2.85; lb., \$5.50.

### LONG RED CAYENNE. (Hot.) (70 days.)

The most popular hot variety used for canning, pickles and drying. Plants large with fruits borne in great abundance, ½ to 4 inches, tapering to a point, twisted and deep green changing to red.

Postpaid, pkt., 10c; ½ oz., 20c; oz., 35c; 2 oz., 60c; ¼ lb., \$1.10; ½ lb., \$2.05; lb., \$3.95.



**CHINESE GIANT**

### CHINESE GIANT. (Sweet.) (80 days.)

Measures 4 to 5 inches in diameter and of equal length. Plants dwarf, stocky and thickly set with enormous, unusually shaped, but attractive fruits that are chunky, twisted, slightly crumpled and square-ended. Colors rich, bright green changing to a scarlet-red when ripe. Flesh thick and tender.

Postpaid, pkt., 10c; ½ oz., 25c; oz., 45c; 2 oz., 80c; ¼ lb., \$1.50; ½ lb., \$2.85; lb., \$5.50.

### PIMIENTO. (Sweet.) (72 days.)

The sweetest variety. Used extensively by canners. It is also desirable for home use in salads and for stuffed peppers. Plants tall and productive. Fruits heart-shaped, 2½ by 3½ inches, very smooth, tapering to a single point, dark green turning to crimson. Flesh very thick and mild.

Postpaid, pkt., 10c; ½ oz., 25c; oz., 45c; 2 oz., 80c; ¼ lb., \$1.50; ½ lb., \$2.85; lb., \$5.50.

## PEPPER PLANTS

California Wonder, Chinese Giant, Ruby King, Pimiento, Long Red Cayenne. Ready April 1st. Postpaid, doz., 40c; 3 doz., \$1.00; 6 doz., \$1.75.

# Certified SEED POTATOES Irish and Sweet

**CERTIFIED KATHADIN.** (80 days.) Promises to become the best white potato for the South. Keeps better than any other potato. Yields heavily. The tubers are short, roundish, white skin, firm white flesh, and cook up dry and mealy.

For prices see Green Ink List.

**CERTIFIED CHIPPEWA.** (75 days.) Has general features of the Cobbler. Extra early, shallow eyes, resistant to disease, very white, round, smooth, heavy yielder.

For prices see Green Ink List.

**CERTIFIED RED WARBA.** (72 days.) A new variety, skin red, flesh white and of fine quality. Tubers are oval, large size and is a very heavy cropper. The Warba potato is a two-crop variety, producing a crop in the spring, also for fall.

For prices see Green Ink List.

**CERTIFIED RED TRIUMPH.** (75 days.) A popular early variety. Tubers are nearly round, with red, smooth skin, small, shallow eyes, very uniform in size and shape. One of the prettiest potatoes grown.

For prices see Green Ink List.

**CERTIFIED IRISH COBBLER.** (80 days.) The eyes are strong, well-developed, and slightly indented. The flesh is creamy white and of fine quality and flavor.

For prices see Green Ink List.

**Culture**—Cut the potatoes in four to six pieces, so there is at least one eye on each piece. About three pieces should be planted in each hill, 3 to 4 inches deep, according to the time of planting, in rows 3 feet apart and 16 to 18 inches apart in the rows. One gallon will plant a 50-foot row. For best results mix a level tablespoonful of Vigoro Fertilizer in the hill before planting the seed.



**CERTIFIED IRISH COBBLER**

## SEMESAN BEL

**BETTER STANDS**—Semesan Bel helps produce better stands of more vigorous plants by generally reducing losses from certain seed-borne diseases and seed-piece decay. One ounce treats 4 to 5 bushels of seed potatoes.

Postpaid, 2 oz., 33c; 1 lb., \$1.75.

## Certified

## SWEET POTATOES

Plant only disease-free sweet potato slips. They mean better quality and better crops.

**CERTIFIED NANCY HALL.** Skin yellow; meat sweet, of amber-yellow.

Write for prices.

**CERTIFIED PORTO RICO YAMS.** Deep orange meat, soft, sweet and of best flavor; skin golden color with slight purplish tinge.

Write for prices.

## CERTIFIED SWEET POTATO SLIPS

Ready April 10th

**CERTIFIED NANCY HALL**  
**CERTIFIED PORTO RICO**

Write for  
Prices.

## ETHYLENE CHLORHYDRIN

A chemical that stimulates rapid and complete sprouting when properly applied to spring dug Irish potatoes.

Ethylene	Treats	Postpaid
½ Pint	2 Bushels.....	\$ .65
1 Pint	4 Bushels.....	1.00
1 Quart	10 Bushels.....	1.75
1 Gallon	40 Bushels.....	5.00

See Green Ink List

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**RUSSELL-HECKLE**



# PUMPKIN and RHUBARB for Pies

**How and When to Plant** Two to three pounds per acre alone, or one pound sown with corn. Plant when the ground has become warm, in hills 8 to 10 feet apart each way. Plant one inch deep. Thin to two plants to a hill. Cultivate thoroughly until the vines cover the ground. For best results mix a tablespoonful of Vigoro Fertilizer in the hill before planting the seed.

**KENTUCKY YELLOW FIELD.** (98 days.) A fine pumpkin, nearly 1 foot in diameter. Flesh dull orange color, extra thick. Heavy yielder and excellent keeper. Largely used for canning and stock feeding.

Postpaid, pkt., 5c; oz., 10c; 1/4 lb., 20c; 1/2 lb., 35c; lb., 60c; 5 lbs., \$2.50.

**STRIPED CUSHAW.** (115 days.) A crook-necked variety popular in the South. Fruits weigh 10 to 12 pounds, skin creamy white, mottled with irregular green stripes. Flesh light yellow.

Postpaid, pkt., 5c; oz., 15c; 1/4 lb., 40c; 1/2 lb., 70c; lb., \$1.25; 5 lbs., \$5.75.

**SMALL SWEET SUGAR.** (115 days.) Small, round, flat-ended. Very prolific. Deep orange-yellow flesh, fine grained and sweet. One of the best for pies.

Postpaid, pkt., 5c; oz., 15c; 1/4 lb., 40c; 1/2 lb., 70c; lb., \$1.25; 5 lbs., \$5.75.

**SMALL PIE.** (110 days.) Skin dark green with lighter stripes; flesh deep yellow, of good quality.

Postpaid, pkt., 5c; oz., 15c; 1/4 lb., 40c; 1/2 lb., 70c; lb., \$1.25; 5 lbs., \$5.75.



KENTUCKY YELLOW FIELD

**TENNESSEE SWEET POTATO.** (110 days.) Bell-shaped fruits, 12 to 15 pounds. Skin creamy white with light green stripes. Flesh cream, fine grained, thick, sweet and delicious for pies.

Postpaid, pkt., 5c; oz., 15c; 1/4 lb., 40c; 1/2 lb., 70c; lb., \$1.25; 5 lbs., \$5.75.

**KING OF THE MAMMOTH.** (115 days.) The largest of all pumpkins. Fruits weigh 40 to 80 pounds. Skin light yellow, mottled with orange; slightly ribbed; flesh solid, yellow to orange.

Postpaid, pkt., 5c; oz., 15c; 1/4 lb., 50c; 1/2 lb., 85c; lb., \$1.50; 5 lbs., \$7.00.

## SALSIFY or OYSTER PLANT

**Culture**—Salsify succeeds best on a rich, light, deep soil. Avoid fresh manure as it makes badly shaped and uneven roots. Sow seed early in spring in rows 18 to 24 inches apart and thin plants to 3 inches apart. Cover seed 1/2 inch. Sow one ounce to 100 feet of row; use 7 to 8 pounds per acre.

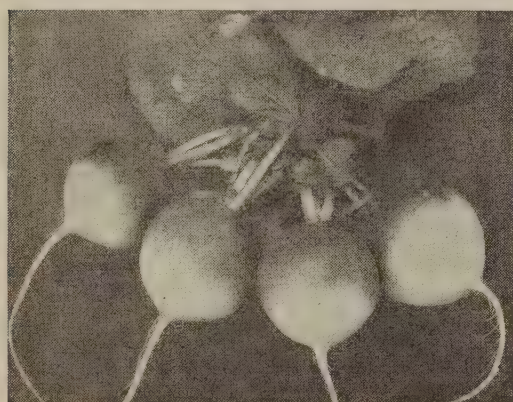
**MAMMOTH SANDWICH ISLAND.** (80 days.) Roots 7 to 8 inches long, 1 to 1 1/2 inches thick, skin almost white, flesh mild and delicately flavored.

Postpaid, pkt., 10c; oz., 35c; 2 oz., 60c; 1/4 lb., \$1.10; 1/2 lb., \$2.05; lb., \$3.95.

# Crisp, Tender RADISHES Pep Up Your Meals

To be tender and crisp, radishes must be grown quickly and this requires rich soil and moisture. Begin as early as possible in the spring and sow at intervals of about 10 days in a light, rich, deeply worked soil. For fall and winter, sow in August and September. Two

ounces sows 100 feet in drills; 8 to 10 pounds to the acre. For best results mix 4 pounds Vigoro Fertilizer per 100 feet of row before planting.



EARLY SPARKLER WHITE TIP

**EARLY SCARLET GLOBE.** (21 days.) Recommended for your main sowing. Usable almost as soon as the very earliest radishes and for a period of a week or 10 days afterwards, or until they are nearly an inch through; and during that time they stay crisp, solid and tender, and mild in flavor. Color pure brilliant scarlet; very uniform in size and shape, which is a rather long oval. Tops and roots small. Excellent for market. Improvement over Early Scarlet Turnip.

Postpaid, pkt., 5c; oz., 10c; 1/4 lb., 30c; 1/2 lb., 50c; lb., 90c; 5 lbs., \$4.00.

**EARLY SPARKLER WHITE TIP.** (25 days.) The most brilliant in appearance of all radishes. The upper half of the root is a brilliant scarlet, almost the entire lower half a pure white. This strain runs remarkably uniform in color, size and true ball shape. The best selling variety on practically all markets. Improvement over Early Scarlet Turnip White Tip.

Postpaid, pkt., 5c; oz., 10c; 1/4 lb., 30c; 1/2 lb., 50c; lb., 90c; 5 lbs., \$4.00.

**FRENCH BREAKFAST.** (25 days.) Standard home and market garden sort; also suitable for forcing. Tops small. Roots oblong, blunt, about 1 1/2 inches long and five-eighths inch through; rich scarlet with white bottom; flesh white, crisp and of splendid quality.

Postpaid, pkt., 5c; oz., 10c; 1/4 lb., 30c; 1/2 lb., 50c; lb., 90c; 5 lbs., \$4.00.

**WHITE ICICLE.** (27 days.) Decidedly the best early white variety and considered by many the standard of excellence in radish. Particularly popular in home and market gardens. Tops small. Roots long, tapered; very white throughout; brittle as ice; 5-6 inches long and one-half inch thick or larger; mild and splendid flavor.

Postpaid, pkt., 5c; oz., 10c; 1/4 lb., 30c; 1/2 lb., 50c; lb., 90c; 5 lbs., \$4.00.

**EARLY LONG SCARLET.** (27 days.) Standard home and market garden sort. Tops small. Roots long, tapered; becomes 4 to 5 inches long and three-fourths inch thick at shoulder; bright carmine red. Very tender and brittle.

Postpaid, pkt., 5c; oz., 10c; 1/4 lb., 30c; 1/2 lb., 50c; lb., 90c; 5 lbs., \$4.00.

**LONG BLACK SPANISH (Winter).** (55 days.) Splendid keeper. Roots 8-9 inches long, 2-2 1/4 inches diameter at shoulder and only slightly tapered. Skin somewhat roughened; black; flesh white, very firm and crisp, pungent.

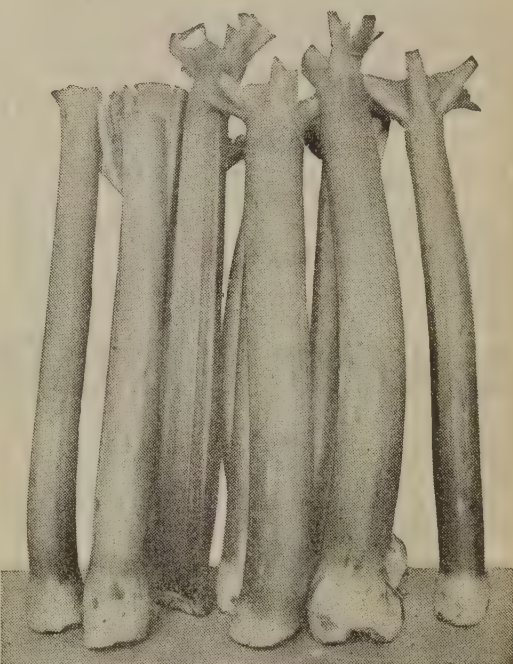
Postpaid, pkt., 5c; oz., 10c; 1/4 lb., 30c; 1/2 lb., 50c; lb., 90c; 5 lbs., \$4.00.

**CHINA ROSE (Winter).** (50 days.) One of the best for fall and winter use. Roots 6-7 inches long, 1 1/4-2 inches diameter at shoulder and slightly broadened outward to 2-2 1/2 inches at blunt base; skin smooth, uniform bright deep scarlet; flesh white, firm, crisp and pungent.

Postpaid, pkt., 5c; oz., 10c; 1/4 lb., 30c; 1/2 lb., 50c; lb., 90c; 5 lbs., \$4.00.



EARLY SCARLET GLOBE



## RHUBARB

### (PIE PLANT)

**Culture**—Sow seed early in the spring in rows 18 inches apart; cover 1 inch deep. Thin seedlings to stand 7 to 12 inches apart in the row. Roots will be ready to transplant the following spring to their permanent location; set roots 4 feet apart each way and plant so that the crowns will be 4 inches under the surface of the soil. A packet is enough for 10 feet; 1 oz. for 75 feet of drill; 10 lbs. per acre.

**RHUBARB SEED (Victoria).** Popular variety for home or market. Stalks are thick, tender and heavily shaded with red. Roots planted early in the spring furnish delicious stalks the following spring.

Postpaid, pkt., 10c; oz., 25c; 2 oz., 45c; 1/4 lb., 80c; 1/2 lb., \$1.50.

**RHUBARB ROOTS (Victoria).** 1/2 inch to 3/4 inch one-year roots.

Postpaid, each, 20c; 1/2 doz., 85c; doz., \$1.50; 25, \$2.75; 50, \$5.25; 100, \$10.00.

RUSSELL-HECKLE

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For Quantity Prices



# Grow More SPINACH Rich in Vitamins

**One Ounce Will Sow 100 Feet of Row** Requires but little culture. It is one of the most easily managed of all vegetables. The main crop is sown from September until November. For summer use it may be sown at intervals of 2 or 3 weeks, from March to November. Two ounces to 100 feet of drill; 8 to 10 pounds to an acre. During hot, dry weather, spinach does not grow so well, but in suitable weather with plenty of rain it is ready for use in about five weeks from sowing seed. For best results mix 4 pounds Vigoro Fertilizer per 100 feet of row before planting.

**BLOOMSDALE CURLED SAVOY.** (40 days.) (Curly Leaf.) The standard very early sort for home and market garden. Plants upright and compact, attain height of 10-12 inches and spread of 12-15 inches. Leaves large; blistered and crumpled; rich deep, glossy green; of splendid quality.

Postpaid, pkt., 5c; oz., 10c; 1/4 lb., 20c; 1/2 lb., 35c; lb., 60c; 5 lbs., \$2.50.

**GIANT NOBEL.** (43 days.) (Smooth Leaf.) Decidedly the best of the thick leaved group. Because of the enormous yield, long standing character, and the deep green color and smooth character of the leaves, this is highly recommended for canning as well as for home and market garden. Leaves very large, thick, broad arrow-shaped with rounded tip.

Postpaid, pkt., 5c; oz., 10c; 1/4 lb., 20c; 1/2 lb., 35c; lb., 60c; 5 lbs., \$2.50.



BLOOMSDALE CURLED SAVOY

**VIROFLAY.** (55 days.) (Smooth Leaf.) Desirable for canning as the leaves grow clean and upright. Green leaves are very large, broad and pointed at end.

Postpaid, pkt., 5c; oz., 10c; 1/4 lb., 20c; 1/2 lb., 35c; lb., 60c; 5 lbs., \$2.50.

**BLIGHT RESISTANT SAVOY.** (45 days.) (Curly Leaf.) Similar in general to Bloomsdale Reselected. Especially adapted for sections where blight or mosaic is serious. This variety is usually planted for fall cutting. It bolts to seed easily and does not give the tonnage of regular Bloomsdale except on blight infested soil.

Postpaid, pkt., 5c; oz., 10c; 1/4 lb., 20c; 1/2 lb., 35c; lb., 60c; 5 lbs., \$2.50.

**NEW ZEALAND.** (70 days.) (Smooth Leaf.) The "cut and come again" spinach. Distinct from other kinds of spinach and particularly valuable for culture in hot, dry weather. Plants very large and spreading; leaves numerous, small, triangular, thick, deep green. The tender leafy shoots are gathered repeatedly.

Postpaid, pkt., 5c; oz., 15c; 1/4 lb., 45c; 1/2 lb., 80c; lb., \$1.50; 5 lbs., \$7.00.

## for Summer---SQUASH---for Winter

**Plant in Hills** Plant after weather becomes fully settled and the ground is warm and dry, in hills 3 to 4 feet apart for bush varieties, and 6 to 8 feet apart for running varieties. Slightly elevate the hills and place 7 or 8 seeds in each, finally leaving but three of the strongest plants. Press the seeds down firmly before covering, and cover early planted ones 1 inch deep, and late ones 1 1/2 inches. One ounce of seed makes 40 hills; 2 to 3 pounds to an acre. For best results mix a level tablespoonful of Vigoro Fertilizer in the hill before planting the seed.

**EARLY PROLIFIC STRAIGHTNECK.** (50 days.) 1938 All-America selection. Is of small type, straight and less warted than other types, has a bright yellow color and the fruits are tender and delicious when in marketable condition. It is ready for picking in about 50 days.

Postpaid, pkt., 5c; oz., 15c; 1/4 lb., 40c; 1/2 lb., 70c; lb., \$1.25; 5 lbs., \$5.75.

**GIANT YELLOW STRAIGHTNECK.** (55 days.) Particularly valuable for shipping because the straight fruits are more readily packed than the crookneck type with less waste of shipping space. Fruits handsome; deep orange with moderate shallow warting.

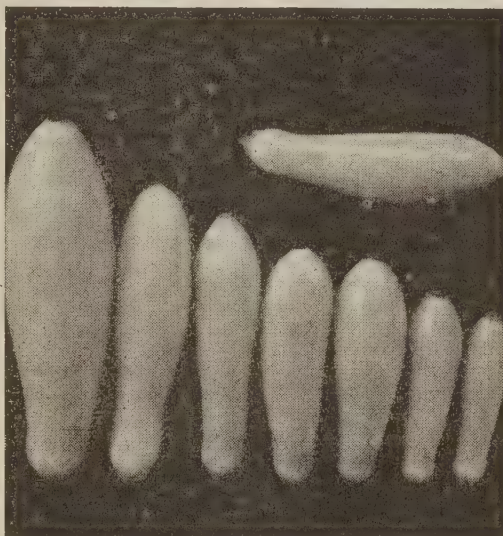
Postpaid, pkg., 5c; oz., 15c; 1/4 lb., 40c; 1/2 lb., 70c; lb., \$1.25; 5 lbs., \$5.75.

**EARLY WHITE BUSH.** (55 days.) It is also called "Cymling" and "White Patty Ann." It is the most popular of the white summer types of squash. The fruits are rather small, quite flat with rigid or scalloped edges. Standard for home and market.

Postpaid, pkg., 5c; oz., 15c; 1/4 lb., 40c; 1/2 lb., 70c; lb., \$1.25; 5 lbs., \$5.75.

**GOLDEN SUMMER CROOKNECK.** (50 days.) The most popular of the yellow summer varieties. The fruits are rather small, golden yellow in color and thickly covered with warts. The variety is exceedingly prolific. Very popular for home, market garden and shipping.

Postpaid, pkg., 5c; oz., 15c; 1/4 lb., 40c; 1/2 lb., 70c; lb., \$1.25; 5 lbs., \$5.75.



EARLY PROLIFIC STRAIGHTNECK

**HUBBARD.** (110 days.) The standard winter squash for home, market garden and shipping. Commonly 9 to 10 inches through; globular, dark bronze green, moderately warted; rind very hard and strong; flesh very thick, deep orange yellow, fine grained and dry; of splendid quality.

Postpaid, pkt., 5c; oz., 20c; 1/4 lb., 50c; 1/2 lb., 85c; lb., \$1.50; 5 lbs., \$7.00.

**GIANT YELLOW CROOKNECK.** (56 days.) Standard sort for home, market garden and shipping. Fruits become very large; 18-24 inches long, 4 1/2 inches through; neck curved; skin rich orange yellow, warted.

Postpaid, pkt., 5c; oz., 15c; 1/4 lb., 40c; 1/2 lb., 70c; lb., \$1.25; 5 lbs., \$5.75.

**MAMMOTH CHILL.** (120 days.) The largest of the squashes. The fruits are long and slightly pointed. It often attains a weight of 100 pounds and is used chiefly for stock feeding and exhibition purposes.

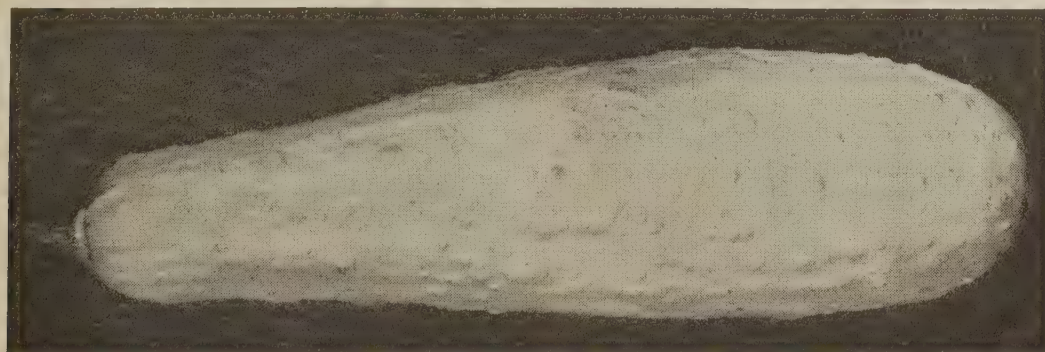
Postpaid, pkt., 5c; oz., 15c; 1/4 lb., 40c; 1/2 lb., 70c; lb., \$1.25; 5 lbs., \$5.75.

**MAMMOTH WHITE BUSH.** (56 days.) A large strain of the Early White Bush. The fruits grow to about one-third more size. It is a desirable strain especially where a larger size is required for market.

Postpaid, pkt., 5c; oz., 15c; 1/4 lb., 40c; 1/2 lb., 70c; lb., \$1.25; 5 lbs., \$5.75.



HUBBARD



GIANT YELLOW STRAIGHTNECK

## TOBACCO

**Culture**—The seed should be sown as soon as possible after danger of frost is over. When the plants are 5 inches high, transplant into rows 3 feet apart each way.

### VARIETIES

**HAVANA.** Much used for cigar wrappers; leaf very thin and of fine texture.

Postpaid, pkt., 15c; 1/2 oz., 45c; oz., 75c; 2 oz., \$1.35; 1/4 lb., \$2.50.

**WHITE BURLEY.** (Root rot resistant.) Favorite for plug fillers and wrappers.

Postpaid, pkt., 15c; 1/2 oz., 45c; oz., 75c; 2 oz., \$1.35; 1/4 lb., \$2.50.

**RUSSELL-HECKLE**



# Grow These Choice TOMATOES for

## How, When and Where to Plant

The seed may be started in hotbed in March, or sufficient plants for family use can be grown in pots or boxes indoors with very little trouble. Be particular to give plants the benefit of fresh air and sun whenever judicious, for the purpose of hardening them, and cover with mats when necessary to prevent them from frosting. The two extremes of heat and cold are equally injurious. It is customary with the best gardeners to remove the plants from hotbeds to the cold frames, allowing a distance of several inches between the plants. In April select and prepare the soil and set the plants 3 feet each way. Hoe and draw earth to the stems. For general crop sow from the middle of April or during May. The number of days on varieties shown means the time from setting of plants. For best results work a level tablespoonful of Vigoro Fertilizer in the soil around the plant when transplanting to the field.

Six to eight ounces to an acre; one ounce to 1,500 plants



BREAK O' DAY

**GREATER BALTIMORE.** (82 days.) Bright red. Being a deeper, more blocky tomato than Stone, Greater Baltimore has become a universal canning favorite. It produces an unusually heavy tonnage per acre, having fine shaped fruit, very heavy, firm and meaty. For main and late crops it is also popular among home and market gardeners.

Non-Certified—Postpaid, pkt., 5c; 1/2 oz., 20c; oz., 30c; 2 oz., 55c; 1/4 lb., \$1.00; 1/2 lb., \$1.85; lb., \$3.50.

Certified—Postpaid, pkt., 10c; 1/2 oz., 20c; oz., 35c; 2 oz., 60c; 1/4 lb., \$1.10; 1/2 lb., \$2.05; lb., \$3.95.

**BREAK O' DAY.** (70 days.) Beautiful red. An extra early perfect globe hybridized from Marglobe and other earlier tomatoes. Almost as early as Earliana. All the wilt and disease-resistant qualities of Marglobe but at least one week earlier. Good shipper. Stands hot and dry weather.

Non-Certified—Postpaid, pkt., 5c; 1/2 oz., 25c; oz., 45c; 2 oz., 80c; 1/4 lb., \$1.50; 1/2 lb., \$2.85; lb., \$5.50.

Certified—Postpaid, pkt., 10c; 1/2 oz., 30c; oz., 50c; 2 oz., 85c; 1/4 lb., \$1.60; 1/2 lb., \$3.05; lb., \$5.95.

**MARGLOBE.** (78 days.) Fruits are of medium size, smooth, solid and deep from stem to blossom ends. They are set in clusters of 5 to 7 on vines with medium to heavy growth. It is wilt resistant; the popular Globe shape, scarlet color; good cropper, marketer and shipper.

Non-Certified—Postpaid, pkt., 5c; 1/2 oz., 20c; oz., 30c; 2 oz., 55c; 1/4 lb., \$1.00; 1/2 lb., \$1.85; lb., \$3.50.

Certified—Postpaid, pkt., 10c; 1/2 oz., 20c; oz., 35c; 2 oz., 60c; 1/4 lb., \$1.10; 1/2 lb., \$2.05; lb., \$3.95.

**NEW STONE.** (86 days.) Deep red. Vines vigorous and productive. Fruits large, smooth, solid; very heavy. This is a favorite canners' variety.

Non-Certified—Postpaid, pkt., 5c; 1/2 oz., 20c; oz., 30c; 2 oz., 55c; 1/4 lb., \$1.00; 1/2 lb., \$1.85; lb., \$3.50.

Certified—Postpaid, pkt., 10c; 1/2 oz., 25c; oz., 45c; 2 oz., 75c; 1/4 lb., \$1.35; 1/2 lb., \$2.55; lb., \$4.95.

**GULF STATE MARKET.** (77 days.) Fruit purplish-pink, smooth, firm, globe-shaped, fine for market or home gardens. Vine vigorous and productive.

Non-Certified—Postpaid, pkt., 5c; 1/2 oz., 25c; oz., 45c; 2 oz., 75c; 1/4 lb., \$1.35; 1/2 lb., \$2.55; lb., \$4.95.

Certified—Postpaid, pkt., 10c; 1/2 oz., 25c; oz., 45c; 2 oz., 80c; 1/4 lb., \$1.50; 1/2 lb., \$2.85; lb., \$5.50.



For best set of tomato blossoms and a larger crop, spray blossoms once a week for the first four weeks after blooming starts. If a stronger concentration (two level teaspoons of FRUITONE to one gallon of water) is used for the spray, most of the TOMATOES will be SEEDLESS.

Postpaid, 2/5 oz. package, 25c; 2 oz. package, \$1.00.

**BONNY BEST.** (74 days.) Deep red. Here is an old favorite that has been continuously selected for earliness, solidity, smoothness, and evenness of ripening. It is a vigorous grower, producing bright red fruit throughout the season. The heavy foliage is a good protection against sun-scald.

Postpaid, pkt., 10c; 1/2 oz., 25c; oz., 40c; 2 oz., 70c; 1/4 lb., \$1.30; 1/2 lb., \$2.45; lb., \$4.75.

**JUNE PINK.** (69 days.) A very early pink sort. The vine branches freely and fruits are produced in clusters of 6 to 8. Medium size, uniform, smooth and very attractive. Produces throughout the season. A favorite with home gardeners.

Postpaid, pkt., 5c; 1/2 oz., 25c; oz., 45c; 2 oz., 75c; 1/4 lb., \$1.35; 1/2 lb., \$2.55; lb., \$4.95.

**BRIMMER.** (88 days.) A great, big, solid red tomato, 15 to 16 inches in circumference, weighing 2 to 2 1/2 pounds each. It is all meat, very few seeds. The vines bear a tremendous load of fruits up to frost.

Postpaid, pkt., 10c; 1/2 oz., 30c; oz., 55c; 2 oz., \$1.00; 1/4 lb., \$1.85; 1/2 lb., \$3.50; lb., \$6.75.

**EARLY DETROIT.** (78 days.) Pink. Vines vigorous and productive. Fruit round and nearly globe-shaped, firm and very smooth. A splendid second early variety.

Postpaid, pkt., 10c; 1/2 oz., 25c; oz., 45c; 2 oz., 80c; 1/4 lb., \$1.50; 1/2 lb., \$2.85; lb., \$5.50.



## ALSO PROTECTS AGAINST DOGS

Save your crops and endless hours of work. Spray Liquid Chaperone in Victory gardens to protect against rabbits and dogs. You don't see it... don't smell it... but animals do and stay away. Perfectly harmless... won't dissolve in rain.

Postpaid, 12-oz. bottle, \$1.15

## RABBIT CHAPERONE



PONDEROSA

**PONDEROSA.** (88 days.) One of the largest varieties in general use for home garden planting. Plant large and spreading, with medium green leaves. Fruit deep purplish-pink; extremely large, commonly 9-12 oz. each; deep, but flat; very fleshy with few seeds; of mild flavor.

Postpaid, pkt., 10c; 1/2 oz., 30c; oz., 55c; 2 oz., \$1.00; 1/4 lb., \$1.85; 1/2 lb., \$3.50; lb., \$6.75.

**MASTER MARGLOBE.** (83 days.) Conceded to be the most important market tomato in North America. It is rust and wilt resisting; fruits are a bright red and globe shape; seed cavities small. Marglobe is one of the best main crop tomatoes. It is a good shipper and canner. It has a sturdy vine which carries the fruit well, with plenty of foliage to protect its fruit.

Certified—Postpaid, pkt., 10c; 1/2 oz., 25c; oz., 45c; 2 oz., 75c; 1/4 lb., \$1.35; 1/2 lb., \$2.55; lb., \$4.95.

**RUTGERS.** (83 days.) An important variety that has been bred primarily for cannery purposes. It is highly disease resistant, has excellent interior color and structure, and is an extraordinary producer. The vine is very erect and under normal conditions will develop heavy, vegetative growth. Rutgers is highly wilt-resistant.

Non-Certified—Postpaid, pkt., 5c; 1/2 oz., 20c; oz., 30c; 2 oz., 55c; 1/4 lb., \$1.00; 1/2 lb., \$1.85; lb., \$3.50.

Certified—Postpaid, pkt., 10c; 1/2 oz., 25c; oz., 40c; 2 oz., 70c; 1/4 lb., \$1.25; 1/2 lb., \$2.35; lb., \$4.50.

**OXHEART.** (90 days.) Fruits large, smooth, purplish pink, almost seedless. Flesh is very thick and delicious. The name is derived from its shape which is large at stem end, tapering almost to a point. Vine growth open and spreading, fruits setting in clusters of 3 to 7. Popular late home garden variety, very choice for salads.

Postpaid, pkt., 15c; 1/2 oz., 40c; oz., 75c; 2 oz., \$1.35; 1/4 lb., \$2.55; 1/2 lb., \$4.95.

**EARLIANA.** (66 days.) Scarlet red. Coming into the market early it commands top prices. It produces an abundance of remarkably solid fruit of uniform shape and rich, bright red color. The tomatoes are borne in clusters. They are of good flavor and contain few seeds.

Postpaid, pkt., 10c; 1/2 oz., 25c; oz., 45c; 2 oz., 80c; 1/4 lb., \$1.50; 1/2 lb., \$2.85; lb., \$5.50.

**PRITCHARD.** (75 days.) Heavy cropper of scarlet, globe-shaped fruits. Fruit very heavy, inside color beautiful red, desirable for canning. Abundant foliage to protect from sun-scald. Excellent tomato for the home garden and market gardener, as well as long distance shipper.

Postpaid, pkt., 5c; 1/2 oz., 20c; oz., 30c; 2 oz., 55c; 1/4 lb., \$1.00; 1/2 lb., \$1.85; lb., \$3.50.



# Delicious Eating Fresh or for Juice, Soups

**STOKESDALE.** (72 days.) An important all-purpose type for market or for cannery. For market, it will be profitable because of its earliness, its beauty and its quality. For cannery it offers high tonnage per acre, with all that makes for a strong government grade. Highly wilt resistant.  
**Certified—Postpaid, pkt., 10c; 1/2 oz., 20c; oz., 35c; 2 oz., 60c; 1/4 lb., \$1.10; 1/2 lb., \$2.05; lb., \$3.95.**

**GOLDEN QUEEN.** (83 days.) Mildest of all tomatoes. Very handsome and the best large smooth yellow tomato. Meaty, solid and sweet, with bright golden-yellow color all the way through. This is a much better variety than Golden Ponderosa.  
**Postpaid, pkt., 15c; 1/2 oz., 35c; oz., 60c; 2 oz., \$1.10; 1/4 lb., \$2.05; 1/2 lb., \$3.95.**

## TREE TOMATO

**DWARF CHAMPION (Tree Tomato).** (86 days.) Medium size, purplish-pink, nearly round fruit. Plant grows like a tree and sometimes called "Tree Tomato." Stems are short, thick and almost self-supporting. May be grown quite close together.  
**Postpaid, pkt., 15c; 1/2 oz., 35c; oz., 60c.**

## SMALL FRUITED TOMATOES

Popular miniature fruited tomatoes for making preserves, pickles or for serving whole in salads or marmalade. They mature early and continue to bear profusely until late in the season. Easily grown.

**RED PEAR.** (75 days.) Fruits 2 inches long; pear shaped. The red flesh is tender, sweet and of fine flavor. Excellent for canning.  
**Postpaid, pkt., 10c; 1/2 oz., 30c; oz., 50c.**

**YELLOW PEAR.** (75 days.) Fruits 2 inches long; pear shaped. Has bright yellow, sweet flesh. Unexcelled for preserves.  
**Postpaid, pkt., 10c; 1/2 oz., 30c; oz., 50c.**

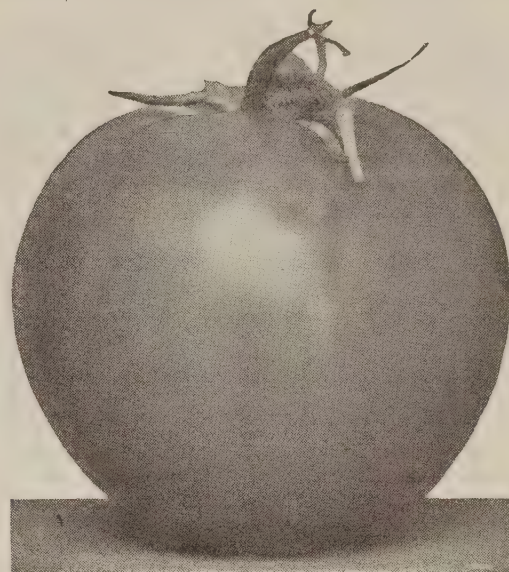
**RED PLUM.** (75 days.) Fruits oval, 2 inches long; rich deep red. Fine for pickling.  
**Postpaid, pkt., 10c; 1/2 oz., 30c; oz., 50c.**

## TRANSPLANTED

### TOMATO PLANTS

Ready April 15th. Gulf State Market, Master Marglobe, New Stone, Rutgers, Ponderosa, Early Detroit and Dwarf Champion.

**Postpaid, doz., 55c; 3 doz., \$1.50.**



CERTIFIED STOKESDALE

Good stands of healthy, vigorous plants usually produce larger yields and better quality tomatoes than thin stands of weak or stunted plants. For these reasons tomato seeds treated with Semesan generally produce more profitable crops.

## DU PONT SEMESAN



1/3 oz., enough to treat 5 to 20 lbs. of seed, postpaid, 12c.

Be sure your tomatoes are properly fed by feeding them with Vigoro Fertilizer. It is the complete plant food that supplies all of the many different elements all vegetables require from the soil.

**Postpaid, 5 lbs., 70c; 10 lbs., \$1.10; 25 lbs., \$1.80.**



Place patented Germaco HOTKAPS—strong little hot-houses—over seeds (or over plants when transplanting). Completely protect from destructive frosts, storms, insects—maintain perfect mulch. Increase yield from 18% to 51%, ripen plants 3 weeks earlier.

**Postpaid, 25 Hotkaps, 60c; 250 for \$3.75. Setter free.**

## GERMACO HOTKAPS



# Sweet and Tender TURNIPS

## How, When and Where to Sow

For the regular crop, sow the early sorts in July or August, the later sorts during August, and the salad varieties August and September. Sow either broadcast or in drills, 2 to 2 1/2 feet apart, thinning out to 2 to 3 inches and roll the ground after sowing. Cover the seed about 1/2 inch. Sow 1 to 2 pounds to acre in drills, 2 to 3 pounds broadcast. Rutabagas or Swede should be sown in July, and always in drills 18 to 24 inches apart, and then the plants thinned out to stand 4 to 6 inches. As the plants grow ridge up to them, otherwise they will form no bulbs.

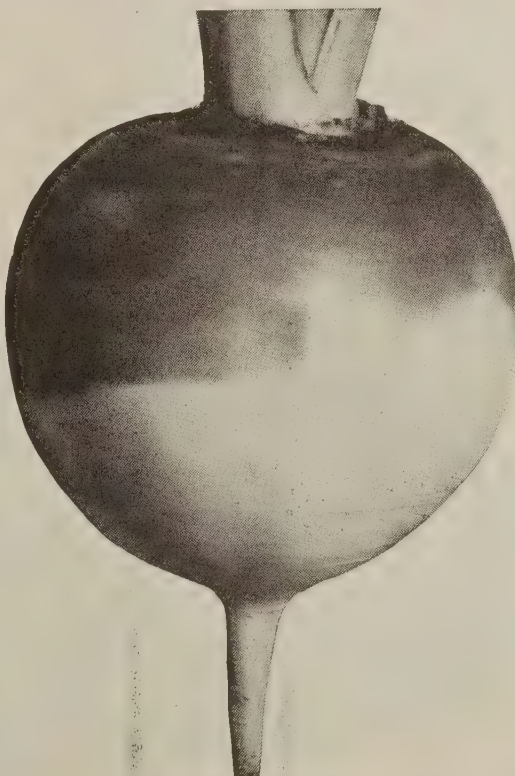
**PURPLE TOP WHITE GLOBE.** (55-60 days.) One of the most popular varieties now grown; globe shape, flesh pure white with a purple top, and of very rapid growth. It is of the same character and habit as the Purple Top Flat, differing only in its form and leaves.  
**Postpaid, pkt., 5c; oz., 10c; 1/4 lb., 25c; 1/2 lb., 40c; lb., 65c; 5 lbs., \$2.75.**

**LARGE YELLOW AMBER GLOBE.** (75-80 days.) This is a very beautifully formed variety, of an amber color, quite productive, solid flesh, and attractive in appearance. It keeps well and is desirable for either table use or stock feeding.  
**Postpaid, pkt., 5c; oz., 10c; 1/4 lb., 25c; 1/2 lb., 40c; lb., 65c; 5 lbs., \$2.75.**

**LONG WHITE COW-HORN.** (65-70 days.) A pure white variety with green top, growing in shape similar to a cow's horn. 12-15 inches long. Is desirable for both table use and for stock feeding. The flesh is mild, sweet and tender.  
**Postpaid, pkt., 5c; oz., 10c; 1/4 lb., 25c; 1/2 lb., 45c; lb., 75c; 5 lbs., \$3.25.**

**EARLY PURPLE TOP STRAPLEAF.** (46 days.) Perfectly flat form with a small tap-root and a bright purple top; the leaves are short and narrow. Fine table variety and excellent for feeding stock.  
**Postpaid, pkt., 5c; oz., 10c; 1/4 lb., 20c; 1/2 lb., 35c; lb., 60c; 5 lbs., \$2.50.**

**MIXED TURNIP.** A dependable mixture of many varieties, both for the turnips and for the greens that will keep your table supplied from fall until late spring.  
**Postpaid, pkt., 5c; oz., 10c; 1/4 lb., 20c; 1/2 lb., 30c; lb., 50c; 5 lbs., \$2.00.**



PURPLE TOP WHITE GLOBE

**EARLY WHITE EGG.** (55-60 days.) Splendid home and market sort. Tops erect, fairly compact, cut-leaved. Roots egg shaped, white, smooth, grow one-half above ground. Flesh white, firm, fine grained, sweet and tender.  
**Postpaid, pkt., 5c; oz., 10c; 1/4 lb., 25c; 1/2 lb., 45c; lb., 75c; 5 lbs., \$3.25.**

**SOUTHERN PRIZE.** (70 days.) Very desirable for winter and spring greens. Similar to Southern Seven Top, but the leaves grow more upright and larger. Not quite so hardy as Southern Seven Top, but a heavy producer of delicious salad.  
**Postpaid, pkt., 5c; oz., 10c; 1/4 lb., 20c; 1/2 lb., 30c; lb., 50c; 5 lbs., \$2.00.**

**SHOGIN (Louse-Resistant).** (60 days.) Resists heat, sun, dry weather, and insect attacks. Quickly produces an enormous yield of upright-growing, succulent foliage, usually 2 feet tall, which is crisp, tender, and of superb mild flavor. The "greens" are ready for use in 25 days. Roots are large, pure white, semi-globular, and of a most excellent quality for table use.  
**Postpaid, pkt., 5c; oz., 10c; 1/4 lb., 30c; 1/2 lb., 50c; lb., 90c; 5 lbs., \$4.00.**

**POMERANIAN WHITE GLOBE.** (75 days.) Tops large, with cut leaves. Roots large, globe shaped, slightly flattened, weighs 4 to 8 pounds. White throughout, smooth, firm, somewhat coarse.  
**Postpaid, pkt., 5c; oz., 10c; 1/4 lb., 20c; 1/2 lb., 35c; lb., 60c; 5 lbs., \$2.50.**

**PURPLE-TOP YELLOW RUTABAGAS.** (88 days.) One of the best and heaviest cropping sorts. It is of globe shape with a rich purple top and light yellow below the ground. The quality is fine.  
**Postpaid, pkt., 5c; oz., 10c; 1/4 lb., 25c; 1/2 lb., 45c; lb., 75c; 5 lbs., \$3.25.**

**SOUTHERN SEVEN TOP.** (70 days.) Cultivated very extensively in the South for the tops, which are cooked and served as greens. Does not produce edible roots. Very hardy. May be left standing in the open ground during the winter.  
**Postpaid, pkt., 5c; oz., 10c; 1/4 lb., 15c; 1/2 lb., 25c; lb., 45c; 5 lbs., \$1.75.**



# Big, Sweet, Juicy WATERMELONS

**How Easy to Grow** Prepare hills 8 or 10 feet apart each way by working the soil thoroughly—rich ground gives the plants a good start before insects attack them. When the ground is warm plant 6 or 8 seeds to the hill, covering an inch deep and when well up, thin out, leaving three strong plants to each hill. Do not grow near pumpkins and gourds. They are often planted between the rows in a cornfield. In growing they require plenty of water. Avoid lifting the vines and use only hand tools in cultivating. One ounce will plant 30 hills; 2 to 3 pounds will plant an acre. For best results mix a level tablespoonful of Vigoro Fertilizer in the hill before planting the seed.

## How To Grow Big Ones

Leave only two of the best young melons on the vine. Select the melons to leave when vines are about eight feet long, keeping all melons pulled off until vines get size, then leave just two of the best. When those ripen leave two more. Never plant melons on same land more than one time in five years, unless you have deep bottom land, and then not more than two years in succession.

## 4 RUSSELL-HECKLE'S BIG FOUR WATERMELON COLLECTION CONSISTING OF

1 oz. Early Market  
1 oz. Hawkesbury  
1 oz. Dixie Queen  
1 oz. R.-H. Co.'s Winona  
4 Varieties, Total Value 60c,  
Sent Postpaid for Only.....

**40c**



NEW WONDER

**NEW WONDER.** (85 days.) It possesses a flavor that is not approached by any other variety. Its rind is thin but tough, and it will stand safe shipment for reasonable distances. Its flesh is a rich red and full of flavor right up to the rind, without any hollow. The seeds are large and white, and relatively few to the melon. It is large and long. The color is a dark solid green, most attractive.

Postpaid, pkt., 5c; oz., 15c; 2 oz., 25c; 1/4 lb., 40c; 1/2 lb., 70c; lb., \$1.25; 5 lbs., \$5.75.

**TOM WATSON.** (90 days.) Genuine cut red strain. The Watson has rightly been the most largely planted melon for shipping purposes in the South. It is a splendid shipper, excellent for nearby markets and fine for home use. In other words it is the best combination or general purpose melon ever introduced. In eating quality it is good. Its tough, medium thick elastic rind makes it a splendid one for long distance shipping or trucking over rough roads. Oblong in shape, averaging about 12 by 22 inches, and weighing approximately 35 lbs. Its dark green color and generally handsome appearance make it an easy seller at top market prices.

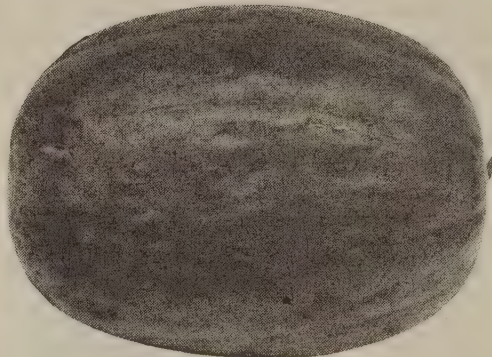
Postpaid, pkt., 5c; oz., 15c; 2 oz., 25c; 1/4 lb., 40c; 1/2 lb., 70c; lb., \$1.25; 5 lbs., \$5.75.

**EARLY KANSAS.** (80 days.) Largest of all early melons, ten days or more earlier to ripen than Watson. The Early Kansas has finest texture, sweet flavor and melting, bright red meat, solid to the rind, nearly round in form, light green with broad bands of wavy stripes, growing 30- to 60-pound melons, with some specimens up to 80 pounds. Under normal conditions 800 to 1,000 melons per acre weighing 30 pounds each is not surprising. No white or stringy hearts. Seeds red but dry to buff color.

Postpaid, pkt., 5c; oz., 15c; 2 oz., 25c; 1/4 lb., 40c; 1/2 lb., 70c; lb., \$1.25; 5 lbs., \$5.75.

**GEORGIA RATTLESNAKE.** (80 days.) An excellent shipping melon popular in the South for its size, productiveness and eating qualities. Fruits very long, fairly large, 25 to 30 pounds, light green, irregularly mottled with dark green stripes. Its striking appearance has helped its popularity. A ready seller, for, once seen, it is always remembered. Rind very tough. Flesh bright scarlet, crisp and sweet. Seeds dull white with black tips.

Postpaid, pkt., 5c; oz., 15c; 2 oz., 25c; 1/4 lb., 40c; 1/2 lb., 70c; lb., \$1.25; 5 lbs., \$5.75.



STONE MOUNTAIN

**STONE MOUNTAIN.** (85 days.) The fruit is almost round or square-shaped with rich, dark green, medium thick rind, and dazzling scarlet flesh of luscious sweetness. It has few seeds, is firm and solid, almost all heart, and truly an unsurpassed table delicacy. The rind is sufficiently tough to stand considerable handling, making it an excellent shipper. It is the best round type watermelon for home garden or market.

Postpaid, pkt., 5c; oz., 15c; 2 oz., 25c; 1/4 lb., 40c; 1/2 lb., 70c; lb., \$1.25; 5 lbs., \$5.75.

**HAWKESBURY WILT RESISTANT.** (85 days.) One of the best shipping sorts. Its light grey-green color gives a distinction to the variety. Aside from its possessing the fine qualities necessary for a market sort, it also has fine eating qualities. The vines have a vigorous growth, prolific and grow melons weighing 30 pounds and larger, with specimens up to 50 pounds. The rind is tough and stands rough handling with no bad effects. Markets preferring a grey rind melon would cater to the Hawkesbury. Uniform shaped and highly resistant to fusarium wilt, flesh red, seeds black and no trace of hard or white hearts.

Postpaid, pkt., 5c; oz., 15c; 2 oz., 25c; 1/4 lb., 40c; 1/2 lb., 70c; lb., \$1.25; 5 lbs., \$5.75.



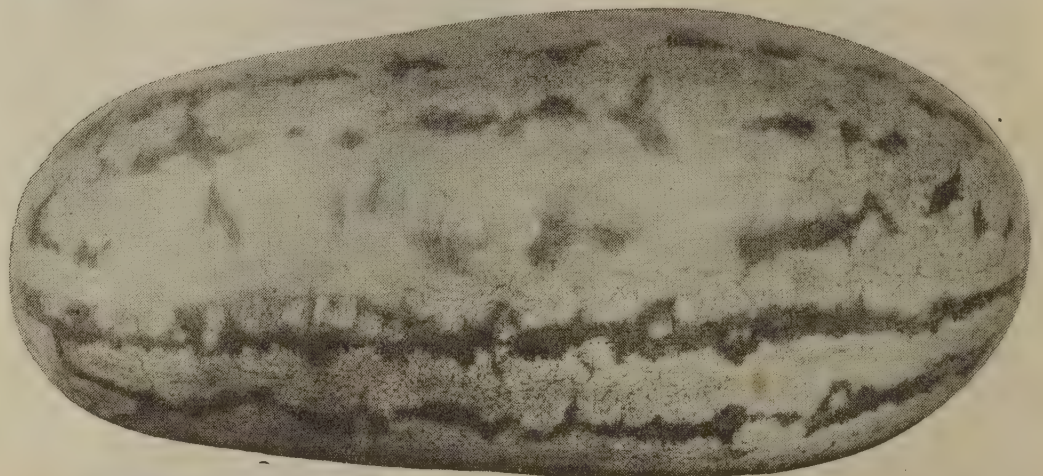
FLORIDA GIANT

**FLORIDA GIANT.** (85 days.) Also called Cannon Ball and Clara Lee. The vines are of a very vigorous growth and heavy producers, the melons are nearly round in form, the skin is solid, dark green, the flesh is red and firm, splendid quality and a good shipper. Grows large, even size melons and if given special attention specimens have grown to weigh 100 pounds. Seeds black, and has been called by some growers, Black Seeded Stone Mountain.

Postpaid, pkt., 5c; oz., 20c; 2 oz., 35c; 1/4 lb., 65c; 1/2 lb., \$1.20; lb., \$2.25; 5 lbs., \$10.75.

**KING AND QUEEN WINTER.** (85 days.) The color is a light cream with faint irregular stripes of light green. It is very early, prolific and the edible qualities are excellent. Properly stored it will remain edible for several months. It is a splendid shipper, and the flesh is sweet and of fine texture. The seeds are quite small and very black. Oval in shape and will weigh approximately 14 pounds.

Postpaid, pkt., 5c; oz., 15c; 2 oz., 30c; 1/4 lb., 50c; 1/2 lb., 85c; lb., \$1.50.



GEORGIA RATTLESNAKE

RUSSELL-HECKLE

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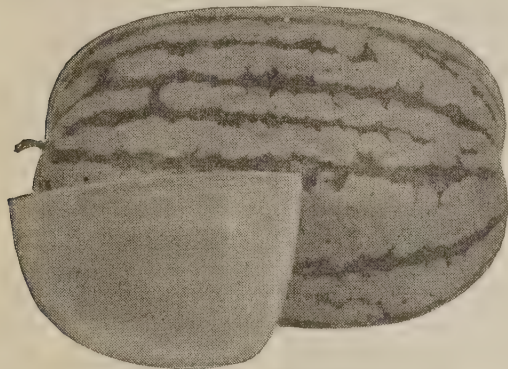
For Quantity Prices



# You'll Enjoy Them---Everybody Does

**IRISH GRAY.** (90 days.) In sweetness it is like Kleckley's Sweet; in shipping quality, uniformity in shape, size and in productiveness it compares with Tom Watson. The thin rind is so tough it will not burst from rough treatment in transit; its keeping quality will appeal to shippers who have experienced losses on account of glutted markets. The color is a distinct mottled greenish-gray; the flesh is red, sweet, crisp and free from stringiness. Although a grand shipper, it is equally fine for the home garden.

Postpaid, pkt., 5c; oz., 15c; 2 oz., 25c; 1/4 lb., 40c; 1/2 lb., 70c; lb., \$1.25; 5 lbs., \$5.75.



**DIXIE QUEEN**

**DIXIE QUEEN.** (90 days.) Fruits oblong or nearly round, fair size, averaging 25 pounds or more, light green, striped and blotched with dark green; rind thin but tough. Flesh rich scarlet, crisp and extremely sweet with very few seeds. Seeds white and small. Dixie Queen has now become one of the most popular and desirable varieties either for home use, market or trucking. It stands the drought better than most other sorts. In normal seasons grows large enough, a nice average size that the trade wants. Dixie Queen Melon is sometimes called the white-seeded Cuban Queen. Do not confuse it with old black-seeded Cuban Queen, which is an entirely different melon. Our stock of Dixie Queen is genuine and from the very best growers.

Postpaid, pkt., 5c; oz., 15c; 2 oz., 30c; 1/4 lb., 50c; 1/2 lb., 85c; lb., \$1.50; 5 lbs., \$7.00.

## Hotkaps

Mature your crops 2 to 3 weeks earlier. Get premium prices and bigger yields by protecting your plants with HOTKAPS. HOTKAPS are patented wax paper cones — miniature hothouses — that keep out



frost, rain, wind, birds and insects. They maintain a perfect mulch around each plant, promoting sturdy growth.

Home Garden Package, 25 Hotkaps and Paper Setter, postpaid, 60c.

**R.-H. CO.'S WINONA.** (90 days.) This celebrated southern grown watermelon is in a class by itself. The fruits are very long with dark green rind, flesh crimson-red, crisp and sweet. The average weight of Winona melon is about 35 pounds. Our seed is genuine, raised for us in the South, and saved from uniform specimens. Seeds shiny black, a very distinct and splendid variety either for home or market use. Vine vigorous and healthy. Winona is especially adapted to our climate and soil. We strongly recommend it to our customers.

Postpaid, pkt., 5c; oz., 20c; 2 oz., 35c; 1/4 lb., 65c; 1/2 lb., \$1.20; lb., \$2.25; 5 lbs., \$10.75.

**BLACKLEE.** (87 days.) Originated at the Florida Agricultural Experiment Station, and after many and varied tests has proven of superior quality and to be almost completely resistant to wilt. Shape is long oval, very symmetrical and smooth. Color, dark, rich green. Flesh brilliant red, very sweet and crisp; seed black—a most attractive and pleasing color combination. Cuts solid, free from stringiness and has a delicate inviting aroma and distinctive flavor. Try this unusual melon.

Postpaid, pkt., 10c; oz., 25c; 2 oz., 45c; 1/4 lb., 80c; 1/2 lb., \$1.40; lb., \$2.50.

**SCHLOCHLER.** (90 days.) One of the largest melons. They will average 45 pounds each. The dark green fruit is oblong in shape with an indistinct stripe. Flesh bright red, the rind for such a large melon is relatively thin, and the first taste will convince you of its rich, sugary flavor. Vines are vigorous and exceedingly prolific and will withstand a great deal of drought.

Postpaid, pkt., 5c; oz., 15c; 2 oz., 25c; 1/4 lb., 40c; 1/2 lb., 70c; lb., \$1.25; 5 lbs., \$5.75.

**KLECKLEY'S SWEET.** (85 days.) This improved strain of Kleckley's Sweet produces uniformly large, dark green melons of the finest quality and of handsome appearance. It is a splendid table melon with a heavy, tough rind which makes it a good shipper to distant markets. The seeds are all creamy white. The flesh is bright scarlet, very firm, and of superb flavor. The outside skin is of a rich dark green color, shaded with faint stripes of a lighter shade. The sweetest and juiciest of all the melons, and so solid that a hollow or pithy center is seldom found. Altogether, it is a melon without an equal. About 20 inches long.

Postpaid, pkt., 5c; oz., 15c; 2 oz., 25c; 1/4 lb., 40c; 1/2 lb., 70c; lb., \$1.25; 5 lbs., \$5.75.

**HALBERT HONEY.** (82 days.) Often called the sweetest of all melons. Entirely devoid of fibrous substances, the sweet flesh melts away in the mouth like so much honey, even after the largest bite of the "heart." This is surely a sweet melon, and its delicious crimson red flesh extends nearly to the skin, the rind being very thin and brittle. The melon is long in shape, weighs approximately 32 pounds, and the dark green skin makes it very attractive. It is quite early and the hardy vines are remarkably prolific. The rind is not tough or thick enough for long distance shipping, but this is a prime favorite for local markets and home use.

Postpaid, pkt., 5c; oz., 15c; 2 oz., 25c; 1/4 lb., 40c; 1/2 lb., 70c; lb., \$1.25; 5 lbs., \$5.75.

**SUN, MOON AND STARS.** (88 days.) It is a novelty but not without merit. The edible qualities are about average. The vines and fruit are generously spotted with bright yellow markings of varying size. In Sun, Moon and Stars, the flesh is pink and the seeds are of brownish color. Oval in shape and will weigh approximately 18 pounds. Postpaid, pkt., 5c; oz., 15c; 2 oz., 30c; 1/4 lb., 50c; 1/2 lb., 85c; lb., \$1.50.

**GOLDEN HONEY.** (90 days.) A golden flesh melon, glistening amber shade of yellow, very tender and delicious flavor, long oval shape, rind dark green, entirely free from hard centers or stringy sections. Seeds white with occasional brownish smears. Maximum weight about 35 pounds. A good shipper.

Postpaid, pkt., 5c; oz., 15c; 2 oz., 25c; 1/4 lb., 40c; 1/2 lb., 70c; lb., \$1.25; 5 lbs., \$5.75.

## GROW CITRONS FOR PRESERVING



**RED SEEDED.** (95 days.) Citrons are not edible as fresh fruit and are used only for preserving. The flesh is white, hard, and the vines are enormously productive. The seeds of this variety are a smooth shiny red. The outside color is light green, with heavy dark green stripes.

Postpaid, pkt., 5c; oz., 15c; 2 oz., 25c; 1/4 lb., 40c; 1/2 lb., 70c; lb., \$1.25.



Very little Vigoro Fertilizer is needed to feed watermelon vines properly. We recommend the use of one heaping tablespoon for each hill at time of planting and a side dressing of the same amount when the melons are about the size of a jelly-bean . . . about six months after planting. Write for special Watermelon circular.

5 lbs. postpaid.....\$ .70  
10 lbs. postpaid.....1.10  
25 lbs. postpaid.....1.80

**HALBERT HONEY**



# FERTILIZE *for Increased Crop Yields*

**HOW TO USE FERTILIZERS** Fifty pounds of Garden Fertilizer is sufficient for a garden 40x50 feet. For most field crops, use from 200 to 400 pounds per acre, according to the soil. Fertilizers can always be used to good advantage by opening up the row, sprinkling thinly the fertilizer; then cover the same with a little soil and then sow your seed. Or, they can be used by working them into the soil along the rows after the plant is up, care being taken not to let it come in contact with the leaves or stem of the plant. For plants that are transplanted, work the fertilizer into the soil thoroughly before transplanting, using from a teaspoonful to a small handful, according to the size and the nature of the plant.

## STEAMED BONE MEAL

Made from pure animal bone and is thoroughly steamed and pulverized. Of the finest quality. Recommended for lawns, shrubs, trees, and all garden or farm crops. Slow acting and lasting in effects. Apply 10 pounds to 100 square feet; 500 pounds to the acre. If this fertilizer is available will be quoted on Green Ink Price List later.

## RAW BONE MEAL

Especially fine for roses and peonies. For best results use twice a year (early spring and late summer). Use about a teacupful each time, sprinkle around the bush or plant about one inch away. For other purposes and over larger areas use 8 to 10 pounds to 100 square feet.

Prices, postpaid: 5 lbs., 45c; 10 lbs., 80c; 25 lbs., \$1.40. Price, F.O.B. Memphis, 100 lbs., \$3.10.

## ALUMINUM SULPHATE

When mixed with the soil at rate of 2 pounds to 20 square feet, it adds acidity, giving vigor and increased growth to such acid loving plants as Azaleas, Rhododendrons, Hydrangeas, etc.

Postpaid, 1 lb., 20c; 3 lbs., 40c; 10 lbs., 90c; 25 lbs., \$2.00.

## BASIC SLAG

Tennessee ground open Hearth Slag, the 6 in 1 soil builder and soil conditioner. Contains 40% Lime, 8% Phosphoric Acid, 5.50% Magnesium Oxide, 18.50% Iron Oxide, 3% Manganese Oxide. Also fine for winter legumes, clovers, grain crops, pastures and vegetables, etc. Increases growth as well as production. Complete descriptive folder on request.

For prices see Green Ink Price List.

## 1945 BUYERS OF FERTILIZER

Your Experiment Station has recommended to the government the kind of fertilizer and the number of pounds per acre you will be permitted to use on each crop. Get this information from the station or your county agent, then make application to your fertilizer dealer for your requirements, stating number acres of each crop you want to fertilize, kind of fertilizer wanted for each crop, number of pounds per acre permitted and total desired, etc. If you bought fertilizer from us last year, write us for application blank.

## SHEEP MANURE

The natural fertilizer, finely pulverized. Fine for lawns, gardens and shrubbery. Improves the mechanical condition of the soil. Excellent for mulching or as a liquid manure. A splendid fertilizer for making new lawns or top dressing old lawns. Use 10 pounds to 100 square feet for mixing in soil and half that quantity for top dressing. Especially recommended for use when sowing winter rye grass.

Prices, postpaid: 5 lbs., 45c; 10 lbs., 75c; 25 lbs., \$1.25. F.O.B. Memphis: 100 lbs., \$2.50.

## RICHLAND PEAT MOSS

A moisture retaining humus. It is excellent for potting bulbs and also for clayey soils, gravelly soils, flower beds, hotbeds, and as a winter protection for lawns.

Price, F.O.B. Memphis, per bale (about 120 lbs.), \$4.50; small (10-lb. sack), \$1.25; postpaid, small (10-lb. sack), \$1.75.

## VICTORY GARDEN FERTILIZER

This is a Government approved fertilizer containing chemical nitrogen for gardens planted for non-commercial production of vegetables and small fruits. A well-balanced complete fertilizer which should be used this year on all home gardens to increase food production.

Price, F.O.B. Memphis, 100 lbs., \$2.25.

## ACID-PHOSPHATE—20%

Acid Phosphate is recommended for all grain and grass crops, cowpeas, soy beans, and for applying to lands deficient in phosphoric acid. Apply 200 to 300 pounds to the acre.

For prices see Green Ink Price List.

## NITRATE OF SODA

Nitrate of Soda can be used for the commercial production of many vegetable and field crops; also on orchards. It requires about 100 to 300 pounds of Nitrate of Soda to the acre, depending on the crop.

Write for application blank and prices.

## "AERO" CYANAMID

Feeds the Crop . . . Sweetens the Soil—Nitrogen, plus Lime Fertilizer. Granular "Aero" Cyanamid is a concentrated fertilizer material, containing 21% nitrogen and 70% hydrated lime. In other words, one ton of Aero Cyanamid supplies 420 pounds of nitrogen and 1,400 pounds of hydrated lime. Aero Cyanamid is of especial interest by reason of its partial-sterilizing effect on the soil. Rightly used in large amounts, Aero Cyanamid aids in the control of weeds, nematodes, and disease organisms.

Write for application blank and prices.

# *Proper Feeding brings out* **THE QUALITY BRED INTO SEED!**



We offer seed of the finest quality in this catalog. Every variety has been tested and selected according to rigid standards. This seed, properly planted, cultivated and fed will help you grow lovely flowers, lawns and fine, mineral-rich vegetables.

Proper plant feeding is important!

Plants require many different plant food elements from the soil just as all humans require a variety of minerals, vitamins and other nourishment factors in their diet. But plants can't pick up and move if the soil does not supply their needs. They must depend on your supplying their needs. That's why gardens fed regularly with VIGORO do so much better. Vigoro is a complete plant food. It is a square meal for all plants.

Include Vigoro on your seed order and enjoy the full benefits of good seed plus complete plant feeding. There are two Vigoro products, both complete plant foods.

## VIGORO

for lawns, flowers, shrubs and trees

	Store	Postpaid
100-lb. bag .....	\$4.00	.....
50-lb. bag .....	2.50	.....
25-lb. bag .....	1.50	\$1.85
10-lb. carton .....	.85	1.15
5-lb. carton .....	.45	.65
1-lb. carton .....	.10	.20

## VIGORO

for vegetable gardens

	Store	Postpaid
100-lb. bag .....	\$3.70	.....
50-lb. bag .....	2.35	.....
25-lb. bag .....	1.45	\$1.80
10-lb. carton .....	.80	1.10
5-lb. carton .....	.50	.70



# **VIGORO and VIGORO VICTORY GARDEN FERTILIZER** **Complete Plant Foods**



# SPRAYING GUIDE FOR VEGETABLES

CROPS	INSECTS AND DISEASES	MATERIALS	DILUTIONS		TIME TO SPRAY
			One Gal. of Water	50 Gals. of Water	
BEAN	Mexican Bean-Beetle	Bean-Beetle Dust or Roto Dust	Apply as a dust as it comes from the package		Dust when beetles appear and as often as necessary thereafter
BEET	Leaf-Spot and Flea-Beetle	Pestroy	7 tablespoonsful	7 pounds	Begin when the plants are up and continue thereafter every ten days as often as may be necessary.
CABBAGE and CAULIFLOWER	Cabbage Worm and Looper	Roto Dust	Dust	Dust	When worms first appear before plants head and thereafter as necessary.
CELERY	Blight and Leaf-Tier	Pestroy	9½ tablespoonsful	9½ pounds	Spray or dust in the plant bed; one week after setting and thereafter every two weeks until five applications have been made. Do not spray later than one month before harvesting.
CUCUMBER and MELON	Striped Beetle and Wilt	Pestroy	7 tablespoonsful	7 pounds	Spray as soon as the plants break through and keep them covered until they begin to run.
EGGPLANT	Flea-Beetle and Rot	Pestroy	7 tablespoonsful	7 pounds	Spray frequently as long as the beetles continue to appear and after the fruit begins to set.
PEPPER	Rot	Pestroy	7 tablespoonsful	7 pounds	Spray as soon as the fruit begins to set and two or three times more at two-week intervals.
POTATO	Potato "Bugs", Flea-Beetle, Leaf Hopper and Blight	Pestroy or Red River Potato Spray	9½ tablespoonsful 4 tablespoonsful	9½ pounds 4 pounds	Begin spraying when plants are six inches high and thereafter at ten-day intervals until four or five applications have been made.
TOMATO	Flea-Beetle, Horn Worm, Leaf-Spot	Pestroy	7 tablespoonsful	7 pounds	Spray plants in the bed and after setting spray every ten days until four or five applications have been made.

# SPRAYING GUIDE FOR FRUITS

CROPS	INSECTS AND DISEASES	MATERIALS	DILUTIONS		TIME TO SPRAY
			One Gal. of Water	50 Gals. of Water	
PEACH PLUM CHERRY APRICOT	Scale, Insects and Leaf Curl	Lime-Sulphur Sol. Oil Emulsion or Dry Lime-Sulphur	1 pint ¼ pint 18-20 teaspoonsful	5-7 gallons 2 gallons 12-15 gallons	Before the buds swell. Add Bordeaux to Oil Emulsion to prevent leaf curl.
	Shot Hole or Fungi	Zinc Sulphate	1 teaspoonful	2 pounds	Combine with petal fall and later sprays.
	Curculio	Arsenate of Lead	2 teaspoonsful	¾ to 1 pound	Use in combination with Dritomic Sulphur on petal fall, shuck and cover sprays.
	Scab and Brown Rot	Dry Mix, Dritomic Sulphur	12-20 teaspoonsful 8 teaspoonsful	8-10 pounds 2½ pounds	1. When most of shucks are off. 2. Two weeks after shucks have dropped. 3. Four weeks before picking if necessary.
APPLE PEAR	Borers	Paradichlorbenzene Para-Scalecide	1 oz. 2 in. from trunk of tree	Sprinkle around trunk of tree	In the fall or spring. In the fall or spring.
	Scale Insects and Blister Mites	Lime-Sulphur Sol. Dry Lime-Sulphur	1 pint 18-20 teaspoonsful	5-7 gallons 12-15 pounds	Dormant and delayed dormant. When buds begin to swell.
	Psylla, Slugs, Scab and Codling Moth	Bordeaux Mixture or Dry Lime-Sulphur or Lime-Sulphur Sol. with Arsen. of Lead	12-16 teaspoonsful 5-6 teaspoonsful 1½ pint 3-8 teaspoonsful	6-8 pounds 3-4 pounds 1¼-1½ gallons 1-1½ pounds	1. Cluster or pink stage 2. Calyx or petal fall. 3. Two weeks after petals fall.
	Later Codling Moth For blight at full blossom Blotch	Arsenate of Lead Bordeaux Dritomic Sulphur	3-8 teaspoonsful 12-16 teaspoonsful 3 teaspoonsful	1-1½ pounds 8 pounds 1 pound	Eight to ten weeks after petals fall and as often as necessary to keep fruit covered with Arsenate of Lead, and a fungicide.
	Aphids (Plant Lice)	Black Leaf 40	1 teaspoonful	½ pint	Combine with other spray and apply when Aphids appear.
GRAPE	Chewing Insects Black Rot-Mildew	Arsenate of Lead Bordeaux Mixture	2 teaspoonsful 12-16 teaspoonsful	1-1½ pounds 6-8 pounds	1. After the blossoms fall. 2. Ten days to two weeks later.
	Leaf Hopper	Black Leaf 40	1 teaspoonful	½ pint	Apply when first nymphs of the Hopper acquire wings.
BLACKBERRY DEWBERRY RASPBERRY	Rose-Scale, Cane-Blight, Leaf-Spot	Dry Lime-Sulphur	9 level tablespoonsful	12 pounds	In spring before growth starts.
	Anthracoise	Dry Lime-Sulphur	2½ level tablespoonsful	3 pounds	Just before the bloom.
STRAWBERRY	Leaf-Spot, Flea Beetle and Leaf-Roller	Pestroy	7 level tablespoonsful	7 pounds	1. Before the blossoms open. 2. As soon as the fruit has been picked.



TOP NOTCH  
APPROVED . . .

# SPRAYERS • DUSTERS •

## WHEN ORDERING SPRAYERS OR DUSTERS

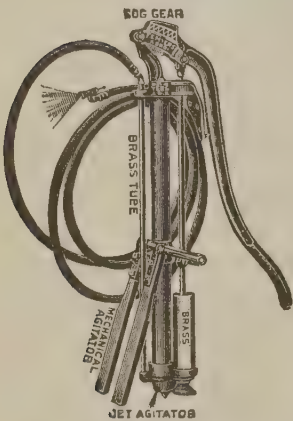
When ordering Sprayers or Dusters (or both) you must put this statement on your order and sign it: "This is to certify that the Sprayers or Dusters (or both) covered by this order will be used or sold for farm or victory garden use only." If for other than farm or victory garden use the order must be supported by a preference rating of AA-4 under order L-257.

## MYERS BARREL SPRAYER

### No. R305B Myers.

Recognized everywhere by fruitmen, field crop growers and gardeners for its high quality and efficiency. Designed and equipped for real spraying service and whether used with one or more leads of hose and nozzles its ease of operation and full capacity assure users the utmost in spraying efficiency.

Equipped with cog gear handle, jet and mechanical agitators, 3/8-inch discharge



### No. R305B Myers

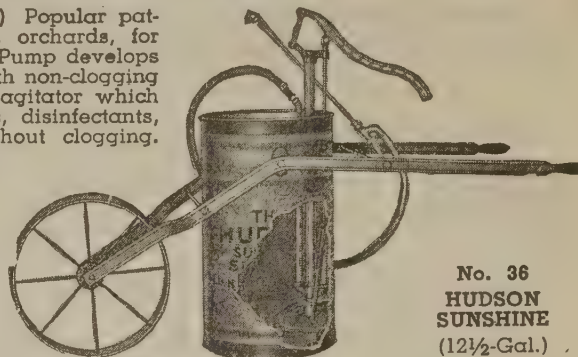
complete with 15 feet of hose and Myers Graduating Vermorel nozzle. Shipping weight, 40 lbs.

Price: Less barrel, F.O.B. Memphis, \$16.00.

## WHEELBARROW SPRAYERS

**No. 36—HUDSON SUNSHINE.** (12½ gal.) Popular pattern for small truck gardens, vineyards, orchards, for nurseries, narrow greenhouse rows, etc. Pump develops 150 pounds nozzle pressure. It is fitted with non-clogging tubular intake strainer and dasher type agitator which permits use with agricultural insecticides, disinfectants, whitewash, cold water paints, etc., without clogging. 6 ft., 3/4 inch high pressure spray hose; Perfection automatic shut-off valve which locks open for continuous spraying; 3 ft. extension rod, angle spray nozzle for general purpose work. Shipping weight, 40 lbs.

Price, complete, F.O.B. Memphis, \$15.00.



No. 36  
HUDSON  
SUNSHINE  
(12½-Gal.)

**No. 34 — HUDSON IDEAL.** (18-gal.) A high pressure, portable outfit, similar to Sunshine, as illustrated, being heavier and larger. Maintains working pressure of 200 pounds. A handy outfit for the orchard, vineyard or truck garden. Widely used in the dairy barn, poultry house or cattle pen. Handles whitewash, coldwater paints, agricultural insecticides, stock dips, remedies, etc. Has a 4SA barrel pump securely mounted in an 18-gallon heavy galvanized corrugated tank. Has 10-foot 3/8-inch spray hose, 3-foot extension rod and automatic shut-off. Weight each, crated, 64 lbs.

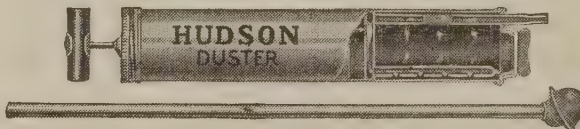
Price, complete, F.O.B. Memphis, \$22.50.

**No. 35—HUDSON IDEAL.** (18-gal.) Same as No. 34 except it is equipped with pressure tank, gauge and fittings. Should not be used with liquid containing sediments unless pressure tank is disconnected. Weight each, crated, 92 lbs.

Price, complete, F.O.B. Memphis, \$34.75.

**No. R336½B—MYERS WHEELBARROW.** (12½ gal.) Complete with dasher and jet agitators, 15 feet 3/8 inch discharge hose, 8-foot iron pipe extension and Vermorel nozzle. Wheel 15½ x3 inch. Shipping weight, 100 lbs.

Price, complete, F.O.B. Memphis, \$28.00.



**No. 766—HUDSON ADMIRAL DUSTER.** The Admiral Duster will effectively handle any powder insecticide, and apply in any quantity desired. Has a range of volume of discharge from a very fine to a very heavy cloud.

Price, postpaid, \$1.50.

## HAND SPRAYERS

**No. 432 — HUDSON Continuous.** Handles all solutions which are sediment free, such as disinfectants, deodorants, insecticides, etc. Fitted with double nozzle to spray ahead or up. Capacity, about 1 quart.

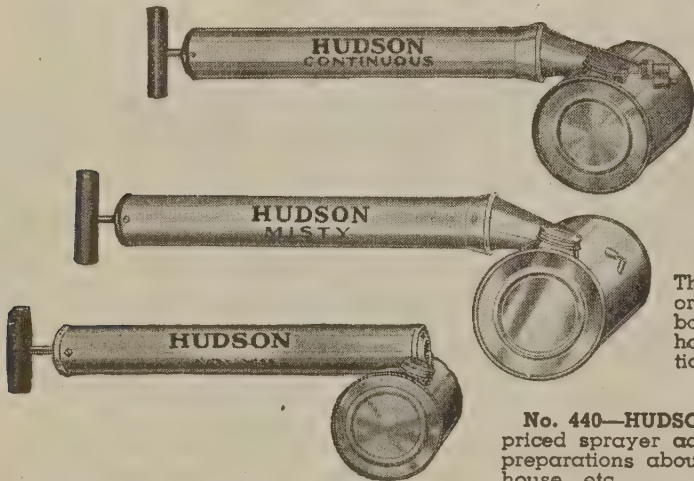
Price, postpaid, 95c.

**No. 452—HUDSON Misty.** The Misty is a universal favorite for use about the yard, backyard garden, poultry house, etc. Sturdy construction. Capacity about 1 quart.

Price, postpaid, 60c.

**No. 440—HUDSON Handy.** An economically priced sprayer adapted for use with various preparations about the yard, garden, poultry house, etc.

Price, postpaid, 50c.



## HAND DUSTERS



**No. 663—HUDSON CADET DUSTER.** Adapted for use with all insect powders. Very practical for use around the home, back yard, poultry house, small garden.

Price, postpaid, 50c.



**No. 666—HUDSON MAJOR DUSTER.** Ample power and capacity for garden and field, in the poultry house, etc. Handles all types of dry powdered insecticides efficiently.

Price, postpaid, \$1.10.

## COMPRESSED AIR SPRAYERS

**No. 235G—HUDSON CLIMAX SPRAYER.** (3¾-gal.) "OPEN TOP." The Climax embodies in its construction strength, safety, complete accessibility and efficient operation. Used for all classes of work in the truck garden, orchard, vineyard, poultry house, dairy barn, hog pen, about the yard, etc. Handles whitewash, cold water paints, agricultural insecticides, etc.

Price, complete, postpaid, \$6.25.

**No. 241G—HUDSON CLIMAX JUNIOR SPRAYER.** (2½-gal.) "Open Top." A popular pattern for smaller jobs, or for women or children to use, because of its small capacity and light weight.

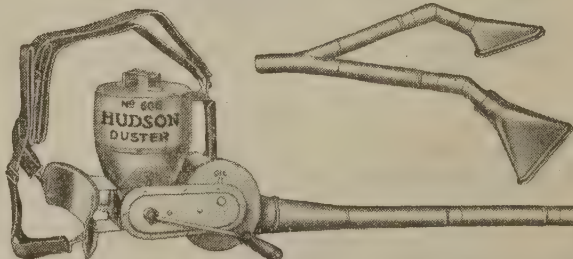
Price, complete, postpaid, \$6.00.

**No. 192G—HUDSON LEADER SPRAYER.** (3½-gal.) "FUNNEL TOP." A full 3½-gallon capacity sprayer with malleable screw cap and funnel-top. Large capacity and high pressure adapt it for all work. Tank galvanized steel with seams riveted and soldered. Top and bottom double beaded for extra strength and safety. Tested at 100 pounds pressure.

Price, complete, postpaid, \$5.00.



## CRANK DUSTERS



**No. 608—HUDSON ROTO-POWER DUSTER.** Adapted for truck gardens, field crops, small orchards, etc. Widely used in the treatment of beans, potatoes, melons, cotton, etc. Capacity, 5 pounds Arsenate of Lead or 17 pounds Paris Green.

Price, complete, postpaid, \$14.40.

**No. 610—HUDSON BARON DUSTER.** Same duster as No. 608 above, except constructed to permit dusting in any position, including behind the operator. Keeps powder from blowing in operator's face.

Price, complete, postpaid, \$16.50.

**MODEL C3—ROOT HAND GUN.** One of the highest quality, most efficient Crank Dusters on the market. Constructed of the finest materials, and precision workmanship in every detail. Hopper capacity—7½ lbs. Dust.

Price, complete, postpaid, \$18.00.

All Sprayers and Dusters are sold for farm use only. Please read NOTICE at top of this page before ordering.

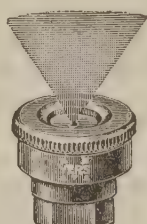
No. 608  
HUDSON  
ROTO-  
POWER



# ACCESSORIES • REPAIR PARTS



No. 3214



No. 3212



No. 1279

## MISCELLANEOUS SPRAYER REPAIRS

Barrel Spray Pump Leather Washers.....	Each, postpaid, \$ .15
Compressed Air Spray Pump Leather Washers.....	Each, postpaid, .10
Rubber Gaskets for Compressed Air Sprayer.....	Each, postpaid, .10
Rubber Gasket for Open Top Comp. Air Sprayer..Small, 15c; Large.....	.25
No. 1279—Y Connection.....	Each, postpaid, .70
No. 1380—45-degree Bend Connection.....	Each, postpaid, .35
No. 1381—45-degree Double Bend.....	Each, postpaid, .50
No. 3212—Myers Straight Nozzle.....	Each, postpaid, .80
No. 3214—Myers Angle Nozzle.....	Each, postpaid, .90
Hose Clamps, 3/4 or 1/2-inch.....	Each, postpaid, .05



## EXTENSION RODS

No. 172—Rod 2 ft., iron.....	Each, postpaid, 55c
No. 174—Rod 4 ft., iron.....	Each, postpaid, 90c



## MYERS SPRAY HOSE

Myers Spray Hose is used for barrel, bucket and compressed air pumps and is furnished in 1/2-inch size only, any length up to 100 feet. Postpaid, 1 to 24 ft., 15c per ft; 24 to 100 ft., 13c per ft.



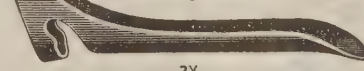
No. 176



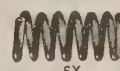
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No. 166



2X



6X



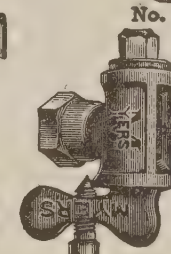
No. 1091



No. 549



No. 1283

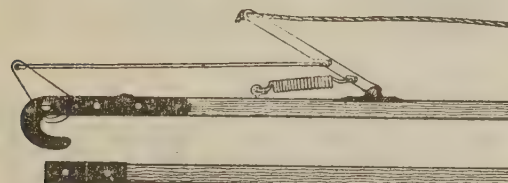


No. 2097

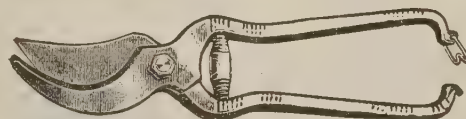
## NOZZLES, PARTS AND ACCESSORIES

Each, Postpaid	Each, Postpaid
No. 176—Shut-off Nozzle.....\$1.75	No. 3-X—Hose Nipple.....\$ .15
No. 168—Straight Nozzle......60	No. 7-XL—Shut-off Valve......20
No. 168—Angle Nozzle......60	No. 2-X—Shut-off Handle......20
No. 1-N—Nozzle Cap......20	No. 6-X—Shut-off Spring......15
No. 2-N—Nozzle Washer......05	No. 1564—Vermorel Nozzle......90
No. 3-N—Outside Disc......10	No. 2097—Bordeaux Nozzle.....1.20
No. 4-N—Inside Disc......10	No. 1283—Shut-off Cock.....1.35
No. 4-NW—Inside Disc......10	No. 1091—Female End, 3/4"......35
No. 5-N—Nozzle Screen......10	or 1/2"......35
No. 5-X—Packing Nut Gasket......05	No. 549—Male End, 3/4" or 1/2"......35

# PRUNING SHEARS • PAINT • ETC.



No. 1312—TIP TOP TREE TRIMMER. A patented pruner in two 6 ft. jointed spruce sections which are quickly assembled to make a 12 ft. pruner for clearing high, briery, hard-to-reach places. Operated simply by rope control. The steel cutting blade easily cuts 1 inch branches, smoothly and cleanly. Each, prepaid, \$3.35 (express only).



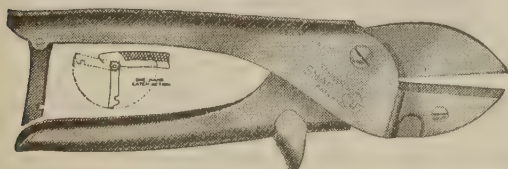
No. V179—HAND SHEAR. 9-inch. One piece carbon steel drop forged. Carefully tempered. Black crackle finished. Volute spring. Each, postpaid, \$1.40.



No. V129—HAND SHEAR. 9-inch. Forged cutlery steel blades. Black crackle finished handles. Blued steel volute spring. Each, postpaid, \$1.10.

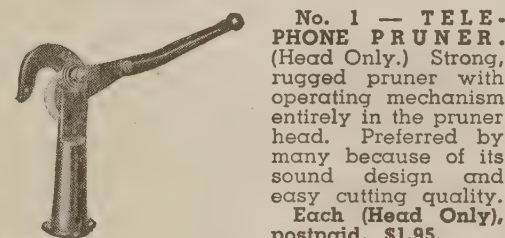


No. R10—HAND SHEAR. 8-inch. Green enameled malleable handles. Volute spring. A good serviceable shear at a low price. Each, postpaid, 75c.

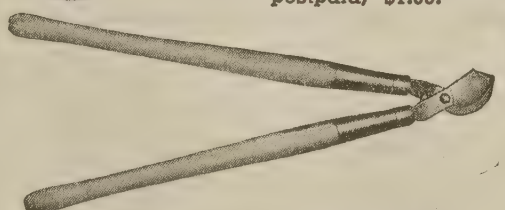


No. 119—SNAP-CUT HAND PRUNER. The snap-cut design makes an extremely easy and fine cutting tool. It is proclaimed by fruit growers, gardeners, etc., as the finest shear ever produced. Each, postpaid, \$2.10.

No. 118—SNAP-CUT HAND PRUNER. Hand-some pocket size, same as above only smaller, for lighter work. Extremely practical and useful for every gardener. Easily cuts 1/2-inch green branches, 6 inches long. Each, postpaid, \$1.35.



No. 1—TELEPHONE PRUNER. (Head Only.) Strong, rugged pruner with operating mechanism entirely in the pruner head. Preferred by many because of its sound design and easy cutting quality. Each (Head Only), postpaid, \$1.95.



No. 45S—LONG HANDLE SHEAR. 26 inches overall. Selected handles, heavy bronze strap ferrules. Each, postpaid, \$2.25.

## PRUNING PAINT

For treating wounds left by pruning, storms, or accident, to prevent such diseases as European Canker Fungus, Hard Rot, and certain other fungi. Sold for agricultural crops only.

Postpaid, 1/2 pt., 38c; pt., 53c; qt., 87c; gal., \$2.57.



## ACME STOP

A sticky barrier used to band trees, shrubs and vines to prevent insects from crawling up the foliage. Its principal use is on apple trees, shade trees, as well as grape vines.

Postpaid, 6 oz., 45c; 1 lb., 75c; 5 lbs., \$3.20; 10 lbs., \$5.30.



## GRAFTING WAX

It is used for grafting, budding, top working, etc., of all kinds of fruit, ornamental trees, shrubs and vines. It is unexcelled for use in painting cuts, bruises and after trimming.

Postpaid, 1/4 lb., 25c; 1/2 lb., 40c; 1 lb., 60c.

See Green Ink List

« « « » » »

RUSSELL-HECKLE





## RED RIVER POTATO MIX

Dust or spray. A scientific formula combining a patented copper fungicide with quick-killing arsenic. Kills potato bugs quicker—drives off flea beetle and leaf hopper—prevents blight—stimulates foliage. Sold for agricultural crops only.

Postpaid, 1-lb. bag, 42c;  
4-lb. bag, \$1.13.

## BLACK LEAF 40

To enjoy the delights of a good garden your vegetables and flowers must have protection against insect pests. Experienced gardeners everywhere guard their gardens with "Black Leaf 40." Economical—a little makes a lot of spray. Effective—"Black Leaf 40" has double killing action—by contact and also by fumes. Directions on label and free leaflets to tell how to kill certain insects.

Postpaid, 1-oz. bottle, 35c;  
5-oz. bottle, \$1.10; 1-lb. bottle, \$2.45; 2-lb. bottle, \$3.50; 5-lb. can, \$6.85; 10-lb. can, \$11.95.



## WHEN ORDERING YELLOW CUPROCID

When ordering yellow cuprocide you must put this statement on your order and sign it: "This is to certify that the yellow cuprocide covered by this order will be used or sold for use only for soil treatment or as an insecticide or fungicide in connection with the cultivation of agricultural crops."

## Yellow Cuprocide

Yellow Cuprocide is superior to Bordeaux in continued fungicidal activity. Even on crops which can stand Bordeaux you will be ahead with Yellow Cuprocide. On Bordeaux-sensitive crops, such as tomatoes and cucurbits, Yellow Cuprocide's value to you is doubled, since you avoid Bordeaux injury. Yellow Cuprocide is practically all fungicide, being 93% cuprous oxide, an "insoluble" copper. When you spray Yellow Cuprocide, you do not load your plants with inactive material that keeps out the light and interferes with growth. Every pound you put in your tank is there to fight the blight. No lime is contained in Yellow Cuprocide, and none is needed with it. Sold for agricultural crops only. Don't forget to send certificate. See notice top of this page.

Postpaid, 3-lb. bag, \$1.55.



## NICO-MULSION

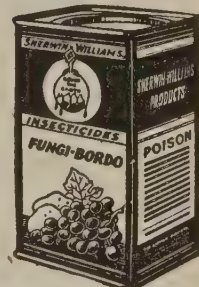
Nico-Mulsion is a combination of Nicotine and Summer-Mulsion and is recommended for use on evergreens and deciduous shrubs for the control of aphids and red spider, also used on apples to control codling moth. Nico-Mulsion represents the latest developments of an effective Nicotine-Oil Combination ready for use.

Postpaid, 1-pt. can, 64c.

## BORDEAUX MIXTURE (Fungi-Bordo)

An extremely fine, fluffy Bordeaux Mixture in dry powdered form. Fungi-Bordo may be used on apples, pears, cherries, grapes, strawberries, potatoes, beans, tomatoes, celery and other vegetables for the control of Blotch, Blight, Leaf Spot, Anthracnose and many other fungous diseases. Almost every kind of vegetable, fruit and shrub can be greatly improved by the early use of Fungi-Bordo. Sold for agricultural crops only.

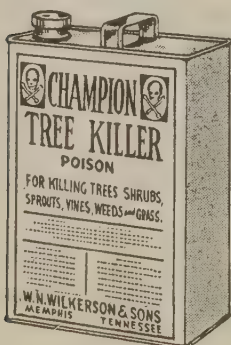
Postpaid, 1-lb. carton, 42c; 4-lb. bag, 95c.



## PARADICHLOROBENZENE

An old reliable gas-forming crystal for peach tree borer control. Time of application, October 1st to November 30th. It can also be used in the spring, early in March. Paradow is recommended for use on trees 5 years old and over. Sold for agricultural use only.

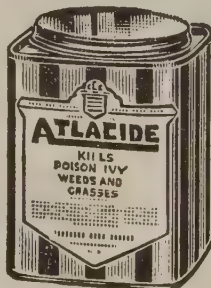
Postpaid, 1 lb., 40c; 5 lbs., \$1.45; 10 lbs., \$2.50; 25 lbs., \$4.75.



## CHAMPION TREE KILLER

For trees, shrubs and vines. Trees die quicker, stumps rot quicker, than with the old method of deadening. Kills any variety when properly applied. Use any time trees are in leaf and before grass or weeds mature seeds.

Postpaid, qt., 65c;  
gal., \$1.50.



## ATLACIDE

Readily soluble in water, it is applied as a spray. It does not destroy weeds by merely burning off the leaf surface by caustic action—Atlacide penetrates and kills roots! Consequently, weeds are permanently eradicated. Sales controlled by War Production Board.

Price, F.O.B. Memphis, 100-lb. drum, \$10.00.

## ROTO-DUST

Roto-Dust is a dust that kills all plant insects including all kinds of aphids and chewing insects but is non-poisonous to human beings, bird or animal life. Roto-Dust meets all federal specifications and is permitted for dusting many kinds of vegetables in every section. By Food Production Order No. 13, Rotenone products are permitted for use in food production only.

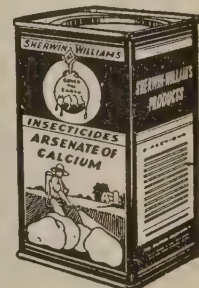
Postpaid, 1 lb., 45c.



## CALCIUM ARSENATE

The cheapest arsenical insecticide on the market but of great economy and efficiency for certain purposes. The accepted dust for boll weevil poisoning on cotton; also recommended to combat chewing insects on potatoes, vegetables, cotton and certain fruit trees.

Postpaid, 1-lb. bag, 30c; 4-lb. bag, 70c.



## TRI-GEN

Tri-Gen is a fungicide, insecticide, and plant stimulant all in one spray. If your roses have the scientific protection which it provides, neither insects nor the dreaded Black Spot or Mildew will harm or defoliate them.



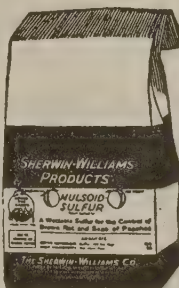
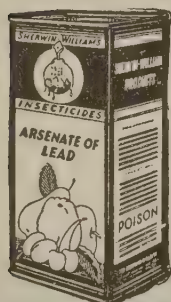
## POSTPAID PRICES

E. Economy Kit (makes 8 quarts).....\$1.05  
A. Small Kit (makes 16 quarts)..... 1.70  
B. Medium Kit (makes 64 quarts)..... 4.25  
C. Large Kit (makes 32 gallons)..... 6.35

## ARSENATE OF LEAD

The most favored arsenical insecticide found on the American market. It is safest to use on tender foliage and sticks well on the leaves. Recommended for fruit trees, vegetables, bushes and tobacco. Can be used as dust or spray.

Postpaid, 1-lb. carton, 40c;  
1-lb. bag, 38c; 4-lb. bag, 93c.



## MULSOID SULFUR

A micro-fine wettable sulfur. As a spray for Brown Rot, Scab of peaches, Scab of apples and pears, after the fall of the bloom, use 4 to 5 pounds to 100 gallons of water. For spraying cherries and plums to control Brown Rot, spray after the early lime sulfur applications with 4 to 5 pounds to 100 gallons of water.

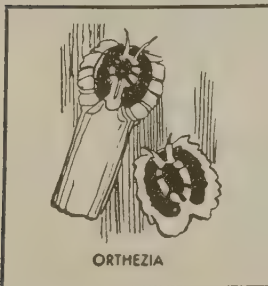
Postpaid, 6-lb. bag, \$1.00.



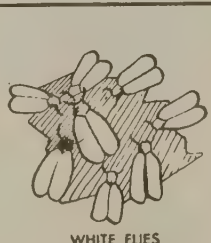
## PESTROY BORDEAUX ARSENATE

An all-around spray for the home orchard and garden. Controls chewing insects and plant diseases. Recommended for potatoes, beans and all garden crops. Sold for agricultural crops only.

Postpaid, 1-lb. can, 45c; 4-lb. bag, \$1.20.



ORTHEZIA



WHITE FLIES



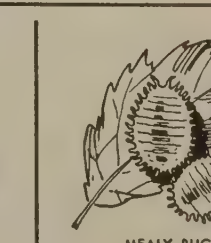
MEXICAN BEAN BEETLE



LEAF HOPPER



CATERPILLAR



MEALY BUGS



TOP NOTCH  
APPROVED . . .

# INSECTICIDES AND FUNGICIDES

FOR ORCHARD  
AND GARDEN

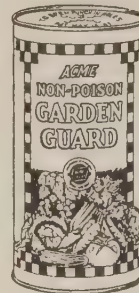


**PARIS GREEN**  
Contains a maximum percentage of arsenious oxide and a minimum percentage of water soluble arsenious oxide. This means quick death to Potato Bugs, Army Worms, Grasshoppers, Tobacco Worms, Sugar Beet Web Worms and Cutworms. Sold for agricultural crops only.  
Postpaid, 1/4 lb., 21c; 1 lb., 64c; 5 lbs., \$2.30; 14 lbs., \$5.49.



**SPRA-MULSION**  
Spra-Mulsion is a heavy-bodied oil emulsion recommended as a dormant spray. Spra-Mulsion will control scale insects that attack shade trees and ornamental trees and shrubs when diluted 1 part to 15 parts of water and applied in spring when the trees and shrubs are dormant.

Postpaid, 1-qt. can, 79c.

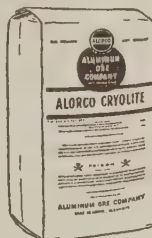


**GARDEN GUARD**  
Don't let the bugs have your vegetables. Dust or spray with Garden Guard and enjoy the fruits of your toil. The killing ingredient is Rotenone, non-injurious to humans and warm-blooded animals. Furthermore, Rotenone is very effective as it acts both as a contact and stomach poison against a wide range of insects. By Food Production Order No. 13, Rotenone products are permitted for use in food production only.  
Postpaid, 1 lb., 45c.

## CRYOLITE

A fluorine insecticide; has been used by a large number of state experiment stations and individual growers. Safe and economical for use on peaches, tobacco, beans, melons, cucumbers, cabbage and potatoes in the control of the beetles and worms. Sold for insecticidal purposes only.

Postpaid, 1-lb. pkg., 45c; 6-lb. pkg., \$1.30; 24 lbs., \$4.50.



## RED ARROW SPRAY

For control of certain chewing and sucking insects. Red Arrow is highly concentrated so that, when diluted, a little goes a long way.

Postpaid, 1 oz., 40c; 4 oz., \$1.10.



## DERRIS MIXTURE

For controlling Mexican bean beetle, also controls aphids on Mustard, Kale, Turnips, Collards, etc. Contains no arsenic or other dangerous poisons. By Food Production Order No. 13, Rotenone products are permitted for use in food production only.

Postpaid, 1 lb., 32c; 5 lbs., \$1.10.



## SCALECIDE

The Complete Dormant Spray. A well-known dormant or delayed dormant spray for the control of scale, peach leaf curl, aphids, red mite and other insects. For fruit trees or ornamentals. Simple, effective and easy to apply.

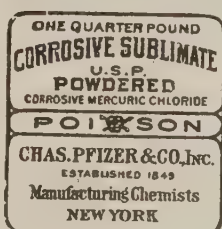
Postpaid, qt., 90c; gal., \$2.00.



## ACME VEGETABLE AND FLOWER GARDEN DUST

A nicotine arsenical dust or spray. An effective insecticide for control of many insects of both sucking and leaf-eating types, such as aphid, Mexican bean beetle, Japanese beetle, leaf hopper, striped cucumber beetle, leaf roller, and tent caterpillar. May be used without restrictions on vegetables, flowers, shrubs, vines, etc. Contains two of the largest-selling insecticides used by commercial growers. A proven product. Adequate supply.

Postpaid, 1-lb. carton, 50c; 4-lb. bag, \$1.30.



## CORROSIVE SUBLIMATE

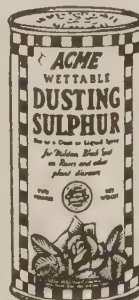
Used for treating sweet potatoes before bedding to prevent Common Scab, Black Scurf and Blackleg. One ounce will make 8 to 10 gallons of solution.

Postpaid, 1/4-lb., \$1.00; 1 lb., \$3.70; 5 lbs., \$17.50.

## ACME WETTABLE DUSTING SULPHUR

An improved dusting sulphur for home use which can also be used as a liquid spray. Recommended to control mildew, leaf spot, black spot and rust on rose bushes, chrysanthemums, snapdragons, carnations and certain other foliage; also red spiders on evergreens. 98 per cent passes through 325-mesh screen.

Postpaid, 2-lb. carton, 43c.



## KOPPER QUEEN (Mildew Spray)

A strong liquid copper spray for the control of curly leaf of peaches, shot-hole fungus, blight of raspberries, damping-off of seedlings, etc. Sold for agricultural purposes only.

Postpaid, 1/2 pt., 40c; pt., 70c; qt., \$1.00; gal., \$2.50.



## ROTENONE GARDEN SPRAY (NNOR)

Containing Rotenone kills most common garden bugs of both sucking and leaf eating types. You've got to wet them—to get them. NNOR penetrates the waxy or hairy covering, brings the tremendous power of Rotenone into action.

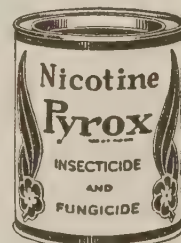
Postpaid, 1 oz., 40c; 6 oz., \$1.10; 16 oz., \$2.25.



## NICOTINE PYROX

A combined insecticide and fungicide, prepared for use on vegetable plants against insect pests and fungous diseases. A soft, creamy paste, ready to use. Just dilute with water. Sticks to the foliage. Sold for agricultural crops only.

Postpaid, 20-oz. jar, 70c; 5-lb. can, \$1.95.



## SLUG SHOT

A control for Mexican bean beetle and other garden insects. Does not injure foliage and acts in some measure as a fungicide. Requires no mixing or preparation and is easily applied. Now made by a new formula and contains a certain amount of poison.

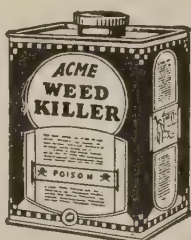
Postpaid, 1 lb., 40c; 5 lbs., \$1.35.



## ACME WEED KILLER

Destroys weeds and all vegetation. The kind to use on driveways, clay courts, paths, etc. Also widely used in spotting out dandelions, plantain, and other noxious lawn weeds by application undiluted, using a weed cane or squirt-bottom oil can.

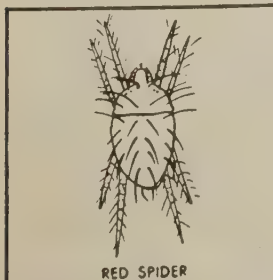
Postpaid, pt., 45c; qt., 65c; gal., \$1.75.



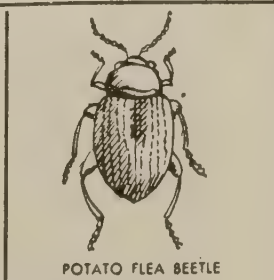
## ACME TOMATO DUST

Is especially prepared to control blight and worms preying on tomatoes. While specifically designed for tomatoes, it also is equally effective in the control of leaf chewing insects and blight on many other vegetables such as potatoes, cucumbers, beans and cabbage; also many flowers as roses, azalea, evergreens, asters, and hollyhock.

Postpaid, 1-lb. sifter carton, 45c; 1-lb. pump gun, 65c; 4-lb. pkg., \$1.00.



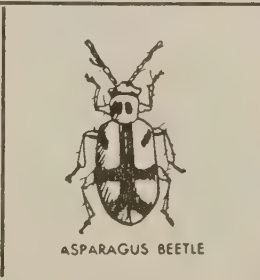
RED SPIDER



POTATO FLEA BEETLE



THRIF



ASPARAGUS BEETLE



SOW BUG



ROSE CHAFER

See Green Ink List

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RUSSELL-HECKLE



## APP-L-SET

When sprayed on the apple stem, this chemical compound tends to hold the fruit on the tree for a longer time, greatly reducing losses from wind, and to a great extent, eliminating "spot picking." App-L-Set (Dry Mix) is recommended for use at ¼ lb. per 100 gallons of water, with which it mixes easily and quickly. This small amount of material will not spot your fruit or leave any objectionable residue.

Postpaid, ¼-lb. can, \$1.25.

## MIKE WETTABLE SULPHUR

A trade name for the new Microscopic extra fine prepared sulphur. Mixes readily with water in combination with Lime, Arsenate of Lead, etc. Mike Sulphur is one of the finest and best materials of its kind, as it really stays in suspension and therefore gives the needed results.

Postpaid, 1-lb. can, 40c; 4-lb. pkg., 75c; 10-lb. bag, \$1.55.

## HYDRATED LIME

For mixing with Sulphur in making dry mix or home-boiled Lime-Sulphur and for mixing with Bluestone (Copper Sulphate) for making home-made Bordeaux; also used for sweetening an acid soil in flower and vegetable gardens, and for mixing with sprays where Arsenate of Lead is used.

Postpaid, 10-lb. sack, 50c.

## ORTHO SPREADER

In dry form and is designed primarily for use with Arsenate of Lead and Lime Sulphur solution. As the name implies, Ortho Spreader functions to provide more effective film coverage for Arsenate of Lead. It also provides buffering action through protective colloids, making it possible to reduce Hydrated Lime diluent effect to a minimum. This same colloidal action buffers the action between Arsenate of Lead and Liquid Lime Sulphur, largely preventing the formation of black sludge (Lead Sulphide) in the tank, and reducing danger from the combination. The low dosage of Spreader required (½ to ½ lb. per 100 gallons) makes its cost negligible. This Spreader has practically replaced all other types of popular dry spreaders over the past eight years.

Postpaid, 1 lb., 40c; 5 lbs., \$1.50; 10 lbs., \$2.65; 25 lbs., \$6.10.

## WHEN ORDERING BLUESTONE

When ordering bluestone you must put this statement on your order and sign it: "This is to certify that the bluestone covered by this order will be used or sold for use only for soil treatment or as an insecticide or fungicide in connection with the cultivation of agricultural crops."

## BLUESTONE (Copper Sulphate)

Formula for making Home Made Bordeaux. Dissolve our Powdered Bluestone at the rate of 4 pounds to 50 gallons of water. It will require only a few minutes' stirring to dissolve Powdered Bluestone. Then, while stirring, add 6 pounds hydrated lime to the above mixture. If the above directions are correctly followed you will have 50 gallons of standard strength 4-6-50 Bordeaux. By combining the Bluestone and the Lime at different proportions, one can make any strength Bordeaux Mixture desired. In Bordeaux formulas the first figure given means pounds of Bluestone (Copper Sulphate); the second figure means pounds of hydrated lime, and the third figure means gallons of water. Use only wooden or crockery containers for dissolving bluestone. Sold for agricultural crops only. Don't forget to send certificate. See notice top of this page.

POWDERED—Postpaid, 1 lb., 25c; 5 lbs., 85c; 10 lbs., \$1.25.

GRANULAR—Postpaid, 1 lb., 25c; 5 lbs., 75c; 10 lbs., \$1.20.

## VELVET DRY MIX

A complete summer spray for peaches, for Brown Rot and Curculio. Can also be used for apples, currants, gooseberries, grapes, rose bushes, etc. For wet spray, use 1 pound to 4 gallons of water. Sift in and thoroughly mix before using. Keep well agitated.

Postpaid, 1-lb. bag, 35c; 5-lb. bag, 95c; 12½-lb. bag, \$1.85.

## TOBACCO DUST

Especially desirable for use against Aphids (plant lice), and other sucking insects. For best results, dust on early in the morning or late in the evening when the foliage is damp. Our Tobacco Dust is of extra fine quality, very strong in nicotine content.

Postpaid, 1 lb., 20c; 3 lbs., 40c; 5 lbs., 55c; 10 lbs., 85c.

## SAFE-N-LEAD

A patented zinc compound in powdered form for use with Arsenate of Lead sprayed on apples and peaches to prevent arsenical injury to fruit and foliage. Safe-N-Lead is recommended to the rate of 1 pound to every 3 pounds of Arsenate of Lead.

Postpaid, 3-lb. bag, 75c.

## ZINC SULPHATE

Recommended for use as a spray on peaches to control Bacterial Leaf Spot and to prevent arsenical injury to peach foliage. Use it in each of the summer sprays on peaches, beginning with the petal fall spray at the rate of 2 pounds to each 50 gallons. If you are using as much as 4 pounds of Hydrated Lime to 50 gallons of water in your regular material, additional lime is not necessary; otherwise, add 2 pounds Hydrated Lime to each 50 gallons.

Postpaid, 1 lb., 25c; 2 lbs., 40c; 5 lbs., 75c; 10 lbs., \$1.20; 25 lbs., \$2.65.

## PARA-SCALECIDE (Liquid)

"For Peach Tree Borers"

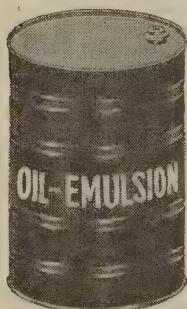
PARA-SCALECIDE is Scalecide plus Paradichlorobenzene and has been used on millions of peach trees, both young and old, without a single report of injury. Para-Scalecide is both economical and easy to use, just dilute 1 gallon of Para-Scalecide in 7 gallons of water and apply by spraying or pouring. One gallon of Para-Scalecide will treat from 45 to 125 trees, depending on age and size. The best time to apply Para-Scalecide is in the early fall, some growers even apply earlier to prevent late egg laying. It is advisable to apply before the ground temperature gets colder than 60°, but as the action of Para-Scalecide is immediate, it does not have to wait for the evaporation of crystals. If the fall application is not made, the next best time is in the late spring. Complete directions for use on package.

Postpaid, 1-qt. can, \$1.00; 1-gal. can, \$2.45. For prices on larger quantities see Green Ink List enclosed.

## SUPERFINE SULPHUR

325 Mesh. For dusting cotton hoppers, red spider, mildew on roses and for use with lime in making self-boiled Lime Sulphur Solution.

Postpaid, 1 lb., 20c; 3 lbs., 40c; 10 lbs., 95c; 25 lbs., \$2.00.



## OIL EMULSION

For the control of San Jose and other scale insects. Spray applications may be made any time during the dormant season, weather permitting, at the rate of one gallon of Oil Emulsion to 20 gallons of water. To control Peach Leaf Curl, add 4 pounds of Bordeaux to each 50 gallons diluted Oil Emulsion.

Postpaid, 1 qt., 50c; ½ gal., 65c; gal., 85c.

## DENDROL DORMANT SPRAY OIL

An improved soluble oil which mixes in any kind of water. Recommended because of its high killing power in the control of San Jose Scale and other orchard insects. Use 2½ gallons of Dendrol in 97½ gallons of water. To control Peach Leaf Curl, add 4 pounds of Bordeaux to each 50 gallons diluted Dendrol.

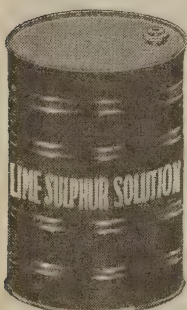
Postpaid, 1 qt., 55c; ½ gal., 80c; gal., \$1.10.



## DRITOMIC SULFUR

Used for the control of Brown Rot and Peach Scab on small fruits; also Powdery Mildew, Black Spot, certain rusts and other sulfur-responding fungi on roses, perennials and ornamental shrubs. Protection against brown rot is possible only if spraying or dusting is done ahead of infection—after infection takes place the damage is done. Spraying or dusting must start early, and the fruit and foliage must be kept thoroughly covered with a fungicide right up to harvest. The disease is ever present, and the first steps toward control should be eradication of the most harmful sources of carry-over. Five pounds of Dritomic Sulfur is sufficient to make 100 gallons of spray. Complete directions on each package.

Postpaid, 5-lb. bag, 75c; 15 lbs., \$1.85.



## LIME-SULPHUR SOLUTION

A powerful fungicide as well as being a contact insecticide. Used in heavy concentrations of 1 gallon to 8 gallons of water in the dormant season, it will effectively control San Jose and several other of the less resistant scale insects. For the dormant spraying of peaches it will control the leaf curl (fungus disease) of peach and scale insects at the same time.

Postpaid, 1 qt., 45c; ½ gal., 60c; gal., 80c.

## DRY LIME SULPHUR

A standard 33-degree Baume lime and sulphur converted into a dry powder, but having all the effectiveness of the liquid product when dissolved in water. For dormant spraying, dissolve 12 to 15 pounds in each 50 gallons of water.

Postpaid, 1-lb. can, 45c; 5-lb. can, \$1.50; 12½-lb. bag, \$1.90.



## APPLE DRITOMIC SULFUR

A fungicide made distinctly for the apple spray schedule, beginning at pink or cluster bud and continuing throughout the summer for control of scab and other fungous diseases controllable with a sulfur fungicide. As a scab spray, Apple Dritomic Sulfur possesses greater fungicidal potency than ordinary all-purpose wettable sulfurs. This is due to the additive value imparted to Apple Dritomic through its 15 per cent of sodium thiosulfate, which activates and reinforces the 82 per cent of extremely fine elemental sulfur content. Apple Dritomic Sulfur is non-caustic, and will not injure foliage if used as directed. Six pounds of Apple Dritomic Sulfur makes 100 gallons of spray. Complete directions on each package.

Postpaid, 4-lb. bag, 75c; 12 lbs., \$1.90.



**TOP NOTCH  
APPROVED . . .**

**PEST KILLERS**

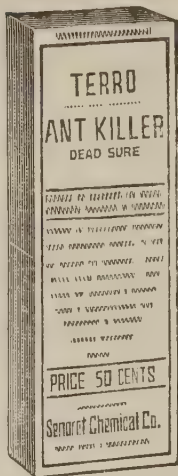
**MEAT SUPPLIES**

**FOR FARM  
AND HOME**

### TERRO ANT KILLER

A clean preparation in syrup form for the control of sweet eating ants, that cannot be blown into food or about the house and can be used without soiling or discoloring floors or receptacles. Spread TERRO ANT KILLER where ants enter the house, or along pathways where ants travel, by simply pouring it out of the bottle on foundation walls, window casings, or places where ants may be seen.

Postpaid, 1/4-oz. size, 30c.



### TERRO ROACH KILLER

Terro Roach Killer will bring quick relief from Roaches or Waterbugs when used as directed.

Postpaid, 4-oz. size, 40c.



### GATOR ROACH HIVES

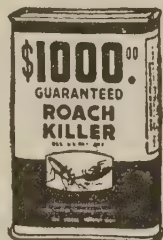
Three baited tubes to the package, bait that is greedily eaten by roaches, waterbugs, silverfish and crickets. Absolutely odorless, but the bait in Gator Roach Hives positively kills old and young insects, saving costly damage to woollens, food, clothing, rugs, drapes, wallpaper, books, etc. Ready to use. Nothing to mix or spray.

Postpaid, each, 40c; 3 packages for \$1.10.

### \$1,000 GUARANTEED ROACH KILLER

Can be used with every assurance that it will do the work in a very thorough and complete manner. It is merely necessary to sprinkle it freely around the parts of the premises where it is needed. It is packed in convenient sprinkler top cans.

Postpaid, 4-oz. size, 40c; 3-oz. size, 75c; 20-oz. size, \$1.35.



### \$1,000 GUARANTEED BED-BUG KILLER

Because of the ease and rapidity with which bed-bugs travel, and their ability to conceal themselves, they are difficult to get rid of. But when \$1,000 Guaranteed Bed-Bug Killer is used it means sure death to the bed-bugs it reaches. It is guaranteed when properly used to kill bed-bugs.

Postpaid, pt. size, 45c; qt. size, 80c.



### \$1,000 GUARANTEED MOTH KILLER

A contact spray in liquid form which will kill moths, and their eggs and larvae which it reaches. Does not stain, and is clean and pleasant to use.

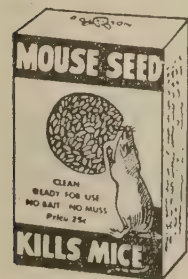
Postpaid, 1-pint size (without sprayer), 75c.



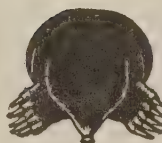
### MOUSE SEED

A poisoned seed which is scientifically treated to attract mice. A clean, deadly mouse exterminator that is ready for use. No preparation necessary; the seed is all you need. Do not use for rats.

Postpaid, 1 1/4-oz. box, 30c.



**Destroy Moles  
THIS EASY WAY**



**MOLOGEN**

MOLOGEN. Prepared in powder form and will not injure the grass or soil. It is odorless and emits no gases. It is easy to use and there is no messy disposal job. It is non-poisonous to birds and pets.

Postpaid, 1/2-lb. size, 60c; 1 1/2-lb. size, \$1.40.

### K-R-O READY-MIXED RAT KILLER

K-R-O Ready-Mixed contains the most tempting rat bait known, selected after years of scientific experimenting. Will not kill livestock, dogs, cats or poultry.

Postpaid, 6-oz. can, 45c; 1-lb. can, \$1.15.

### ZELIO RAT AND MOUSE PASTE

Zelio Paste is a powerful poison. It kills both rats and mice surely and quickly. Zelio acts slowly and thus gives the animal time to leave the premises. Zelio is very easily and quickly applied.

Postpaid, 2-oz. tube, 55c each.

**Destroy RATS, MICE, MOLES  
with KIL-RAT**



Ready to use. Bait in pellet form. Distribute from package in all runs and holes used by rats, mice or moles. A Red Squill product, non-poisonous to

humans, pets, etc.

Postpaid, 1-oz. pkg., 20c; 4-oz. pkg., 40c.

**KILLS ROACHES  
WATER BUGS  
TERRO ROACH KILLER**

Quickly-Surely-Without Mess  
Guaranteed to do the work or money back. Get TERRO ROACH KILLER today

Postpaid, 4-oz. size, 40c.

### RED CHECK RAT AND MOUSE EXTERMINATOR

Formerly Red Cross Brand

One of the most popular and effective controls for rats and mice. Extremely poisonous, therefore, requires only a small amount to get results.

Postpaid, 1-oz. pkg., 30c; 2 1/4-oz. pkg., 55c; 5-oz. pkg., \$1.10.



### COWLEY'S RAT AND MOUSE EXTERMINATOR

This preparation is a scientific chemical compound, and is made in a way that attracts the rats and mice to drink it. This is the secret: They will drink it, and as it only requires a very small amount to kill, there is no telling how many can be killed in one night.

Postpaid, 8-oz. bottle, 50c.



### MORTON'S SUGAR CURE

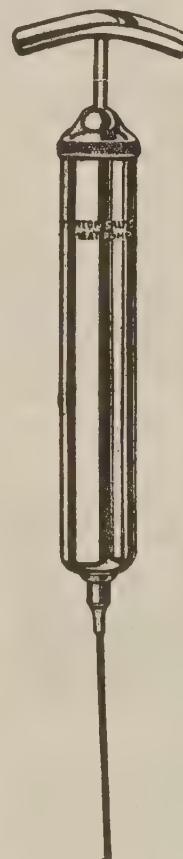
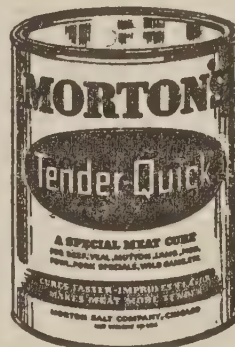
All in one easy operation you salt, sugar-cure, and impart the curative and flavoring properties of smoke to the meat. This one convenient product enables you to do the entire job all at the same time.

Postpaid, 2 1/2-lb. size, 35c; 7 1/2-lb. size, 93c.

### MORTON'S TENDER QUICK

Especially prepared for making a pumping pickle to pump around the bones of hams and shoulders and large joints of other kinds of meat; and also for curing loins, backbone, spareribs, etc., and for curing beef, lamb and game.

Postpaid, 2 1/2-lb. size, 65c; 10-lb. size, \$2.25.



### MORTON'S MEAT PUMP

An essential for modern meat curing. Accurately and scientifically made for pumping the rich Tender-Quick curing pickle into the bone area of hams and shoulders.

Each, postpaid, \$1.60.



### MORTON'S SAUSAGE SEASONING

There is a freshness and zest of tantalizing flavor in every pound of sausage that you make with this famous Seasoning. Complete and ready to use, it contains the finest spices, sage, peppers and other seasoning ingredients carefully blended with the necessary amount of salt. Morton's Sausage Seasoning insures sausage that is always good.

Postpaid, 3-oz. size, 20c; 1-lb. size, 45c.

### FIGARO CONDENSED SMOKE

FIGARO is simply smoke from the best smoking woods, in condensed form. It is condensed to a liquid just as steam condenses into water. It is as simple and easy to apply to the meat as water or oil would be. Simply brush FIGARO on the meat. Complete directions on each bottle.

Postpaid, 4-oz. size, 20c; 8-oz. size, 35c; 16-oz. size, 60c; 32-oz. size, \$1.15.



See Green Ink List

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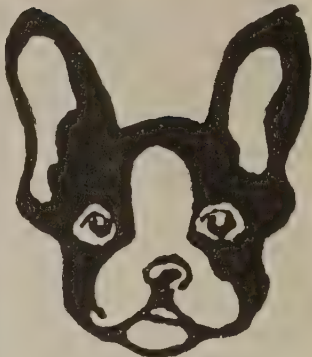
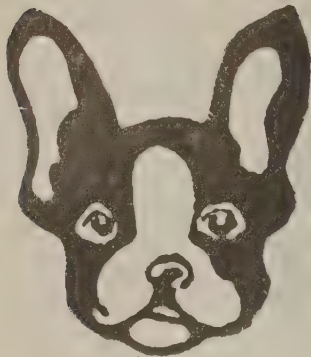
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RUSSELL-HECKLE





A FEW DON'TS FOR DOG OWNERS

- Don't strike your dog. No successful trainer does.
- Don't speak loudly or harshly to your dog.
- Don't fail to give your dog kindly, human companionship at least a small portion of each day.
- Don't keep a dog a prisoner on a wire cable for over two hours at a time.
- Don't measure a dog by his size. Whether he weighs 2 pounds or 200 pounds, he is just as brave, loyal, intelligent and companionable.
- Don't get a dog just for a watch dog. The finest of all dogs should not be valued for one virtue alone. One breed will give alarm, if danger threatens, as well as another.
- Don't chain your dog to dog house, except possibly at night.
- Don't expect a puppy to know as much as a grown dog.
- Don't let a puppy be a plaything for the baby, but a playmate.
- Don't fail to buy all dog foods, medicines and supplies from Russell-Heckle.

PUSSY SCAT

Keeps cats away from chairs, curtains, table legs, etc. Invisible new powder prevents your cat from shedding hairs on furniture or trying his claws on curtains, table legs, etc. Just sprinkle Pussy Scat on the rugs and furniture you want to protect from your cat. Very little is needed. We have found "Pussy Scat" harmless to textiles and skin. You don't smell it, but your cat does and stays away.

Postpaid, 1-oz. pkg., 50c; 3-oz. cone-shaped pkg., \$1.10.

We recommend the 3-oz. cone-shaped package for economy.



CHAPERONE POWDER

Makes your dog behave in the house. Keeps dogs off rugs and furniture. Also useful in protecting female dogs from male dog annoyance. Make a generous application of Chaperone to the back and hindquarters of a female dog, and male dogs will not annoy her. Although Chaperone is practically odorless to humans, it is very repulsive to dogs.

Postpaid, 1-oz. pkg., 50c; 3-oz. pkg., \$1.10.

FLEISCHMANN'S IRRADIATED DRY YEAST

Supplies needed Vitamins B<sub>1</sub>, G and D Complex. Essential for proper appetite and digestion. Promotes the growth of puppies, builds stronger bones and prevents rickets. Helps grow beautiful, glossy coats.

Postpaid, 3 1/2 - oz. size, 30c; 8-oz. size, 58c; 1-lb. size, 92c.



WEEN

This scientifically created simulation of mother dogs' milk fills a long-felt need in the feeding of puppies and young dogs. High in vitamins and minerals. Now has Black Tongue preventative factor (Nicotinic Acid and Wheat Germ Oil added). In liquid form, it is easy to use with no fuss and no fixing.

Postpaid, 14.8 fl. oz. can, 35c.



DELCREO TONIC AND CONDITIONER

Should be given as a tonic two or three times a day. In severe cases it should be given every two hours. As a conditioner it should be given twice a day once or twice a week. Feed so that the tonic may be given from one-half hour to one hour before meals.

Postpaid, 2-oz. bottle, 80c; 4-oz. bottle, \$1.55.

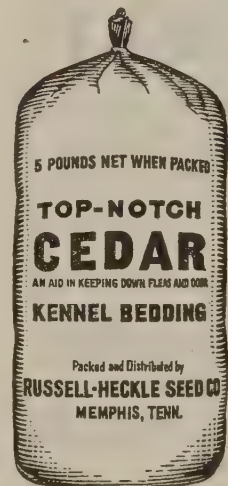


**TUF-FOOT**  
for the "tenderfoot"

Use Tuf-Foot to condition your dog's feet for hunting or field running and for toughening cracked, tender or sore feet. Try it!

Postpaid, 2 - oz. size, \$1.00.

Guaranteed results!



TOP NOTCH CEDAR KENNEL BEDDING

A sanitary bedding for all dogs, cats and other animals. Contains oil and odor of the original cedar wood. An aid in keeping down fleas and doggy odor.

Postpaid, 5 lbs., 45c.

CUPID CHASER

Don't spray and spoil your female puppy. Use Cupid Chaser to keep dogs away while females are in season. Cupid Chaser is an amber liquid, not sticky, and has a pleasing odor. . . . It is safe, easy, and inexpensive. It works!

Postpaid, bottle, \$1.00.



HILO DIP

Kills fleas and lice, removes cause of summer eczema. To kill fleas and lice, dissolve a tablespoon of Hilo Dip in a gallon of water and saturate dog's coat well. Dry without rinsing. Repeat when necessary. To correct summer eczema, first use Hilo Dip, then apply Hilo Ointment to sores. It leaves a pleasant odor.

Postpaid, 1 oz., 30c; 3 oz., 55c; 6 oz., 95c; one pt., \$2.15; one qt., \$3.75.

HILO KILTIX

Dissolve 2 tablespoons of Hilo Kiltix in a quart of water. Saturate dog's coat for at least 10 minutes. Dry dog without rinsing, 12 hours later, comb out dead ticks. Repeat when necessary.

Postpaid, 3 oz., 65c; 8 oz., \$1.50.



HILO OINTMENT

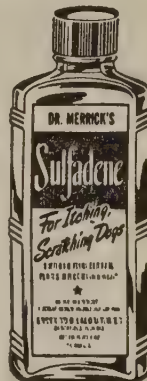
Hilo Ointment is a soothing ointment. Apply to irritated parts twice a day for several days. If your dog's scratching is caused by fleas or lice kill these parasites with Hilo Dip before using Hilo Ointment.

Postpaid, 1 oz., 30c; 3 oz., 55c; 15 oz., \$1.60.

SULFADENE

Don't Blame Fleas, Mange . . . Diet! If your dog itches, scratches continually, it's probably not due to fleas, mange or diet. 2 to 1 it's FUNGITCH, grass-borne fungus infection long a puzzle to science. FUNGITCH starts as an itch followed by dandruff-like scales or sores with brownish edges and mouldy odor—or infection in ears, in paws, underbody, tail or eyes. May lead to most serious results—costly care—even total loss. Now a noted specialist's discovery — SULFADENE — applied externally, stops itching in minutes . . . clears up scales and sores in a few days.

Postpaid, 4-oz. size., \$1.00.



QUADINE

Scratching dogs due to so-called "summer eczema" get quick and welcome relief from Quadine which affords kennel-proved control of fleas, lice, ear and sarcoptic mange, ringworm, brown, wood and seed ticks, canker ear, dandruff scales, dog odor, cuts, wounds and many other conditions—23 in all. Thousands use Quadine as a general groom for lustre and beauty of the dog's hair. Quadine is easily applied with brush, cloth or spray.

Postpaid, Quadine Jr. No. 3 Spray Set, \$2.35; 4-oz. bottle, \$1.15; 12-oz. bottle, \$2.30.

ALLEN'S LIQUID EXTRACT OF GARLIC

The use of garlic in the dog field is well known to dog authorities, kennels and owners in this country and Europe. Liquid garlic is consistently used by them to flavor the dog's ration, to stimulate his interest in his proper food and to promote the benefits resulting from an eager and normal appetite. Flavor your dog's food with Allen's Liquid Extract of Garlic and watch the result.

Postpaid, 4-oz. bottle, \$1.00.



REX WHEAT GERM OIL

If your dog has a dry, dull, musty coat; an itchy, scaly skin, or eczema sore spots, be sure to give him Rex Oil on his feed every day. Rex Oil is 50% unsaturated fats (skin vitamins), the food element that promotes healthy skin and coats. Rex oil is in expensive—\$1.00 bottle lasts one dog 6 months.

Postpaid, 4-oz. size, \$1.00; 1-pt. size, \$3.50; 1-qt. size, \$6.00; 1-gal. size, \$19.00.



MILLER'S DOG SOAP

A bath at regular intervals is absolutely necessary to keep your dog in condition. Dirt and parasites are not only irritating to your dog but when scratched may lead to an infection. Postpaid, 1 bar, 30c.





TOP NOTCH  
APPROVED . . .

# FOODS AND REMEDIES

FOR DOGS, CATS,  
BIRDS AND FISH

## JUSTRITE FOODS AND REMEDIES

Mel-O-Dee Mix Bird Seed, 7 oz.....	\$ .25
Justrite Bird Seed, 7 oz.....	.20
Love Bird Seed, 7 oz.....	.20
Silver Bird Gravel, 32 oz.....	.20
Cuttlebone, Slices and Pieces.....	.15
Song Food, 1 1/2 oz.....	.15
Canary Sunshine Food, 1 1/2 oz.....	.15
Moulting Food, 1 1/2 oz.....	.15
Color and Pepper Food, 1 1/2 oz.....	.15
Nestling and Mating Food, 2 3/4 oz.....	.15
Egg Biscuits.....	.15
Tasty Treats, 2 in carton.....	.15
Iron Tonic, 1 oz.....	.15
Bird Bitters, 1 oz.....	.15
Flake Bird Charcoal.....	.15
Crushed Oyster Shells.....	.15
Bird Nesting.....	.15
Natural Fish Food, 1 1/2 oz.....	.15
Tropical Fish Food, No. 0, No. 00, No. 000.....	.15
Turtle Food.....	.15
Aquarium Gravel.....	.20

The Above Prices Are Postpaid.

## BULK BIRD SEED

	1 Lb.	5 Lbs.	10 Lbs.
Mixed Canary.....	\$ .30	\$1.15	\$2.10
Bird Rape.....	.35	1.40	2.60
Bird Millet.....	.25	.85	1.40
Sunflower Seed.....	.40	1.50	2.70
Love Bird Seed.....	.30	1.10	2.00
Mixed Parrot Feed.....	.35	1.35	2.40

The Above Prices Are Postpaid.

## DR. CLAYTON'S CAT MEDICINES

Sarcoptic Mange Medicine.....	\$ .60
Tonic Catnip Condition Tablets.....	.60
Laxative Tablets.....	.60
Worm Tablets (for Round Worms).....	.60
Tapeworm Expeller (for Tapeworms).....	.60
Eye Lotion Tablets.....	.60
Cough Syrup.....	.60
Bowel Constricting Tablets.....	.60
Ketaraline (Liquid or Tablets).....	.60
Alterative Tablets.....	.60
Carminative Tablets.....	.60
Sedative Tablets.....	.60
Special Red Medicine.....	.60
Cod Liver Oil Emulsion.....	1.00
Cat Wash and Disinfectant.....	.30
Cat Cream Shampoo Soap.....	.30
Killflea Powder.....	.30

The Above Prices Are Postpaid.

## DOG AND PUPPY FOODS

	1 Lb.	5 Lbs.	10 Lbs.
Miller's Ration.....	\$ .18	\$ .56	\$1.02
Miller's Kibbles.....	.21	.70	1.30
Miller's Biscuits.....	.21	.70	1.30
Miller's Puppy Meal.....	.21	.69	1.28
Miller's Cubes.....	.19	.58	1.05
Chappell's Kibbles.....	.22	.77	1.42
Red Heart Kibbles.....	.25	.75	1.30
Red Heart Biscuit.....	.25	.75	1.30
Red Heart Meal.....	.20	.70	1.20
Rose's Kibbles.....	.19	.62	1.14
Gaines Dog Meal.....	.20	.65	1.15

The Above Prices Are Postpaid.

## PULVEX DOG REMEDIES

Flea Powder, 1 1/5-oz. pkg.....	\$ .30
Flea Powder, 3 3/5-oz. pkg.....	.55
Flea Powder, 12-oz. pkg.....	1.35
Sponge-Away, 1-oz. bottle.....	.30
Sponge-Away, 3-oz. bottle.....	.55
Sponge-Away, 8-oz. bottle.....	1.10
Flea Soap, 1 bar.....	.30
Dry Cleaner, 4-oz. pkg.....	.55
Combination Worm Caps (Puppy or Dog).....	.55
"R. H. W." Worm Caps (Puppy or Dog)....	.30

The Above Prices Are Postpaid.

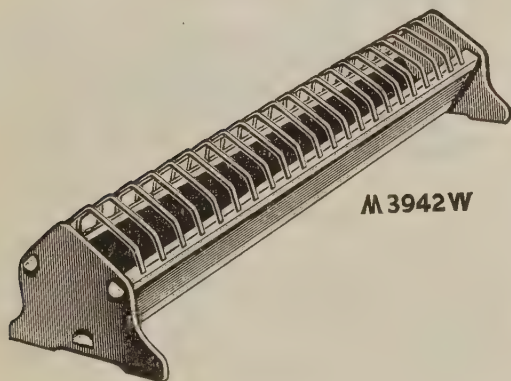
## SERGEANT'S DOG REMEDIES

Arsenic and Iron Pills.....	\$ .55
Canker Wash.....	.60
Condition Pills.....	.55
Diuretic Pills.....	.55
Expectorant Medicine.....	.60
Eye Wash.....	.60
Intestinal Astringent.....	.55
Laxative Tablets.....	.55
Mange Medicine.....	.70
Nerve Sedative.....	.55
Pine Oil Disinfectant, 12 oz.....	.65
Pepsin Tablets.....	.55
Puppy Capsules.....	.55
Skip Flea Powder, 2-oz.....	.35
Skip Flea Soap.....	.27
Special Medicine.....	1.15
Sure-Shot Capsules.....	.55
Tape Worm Medicine.....	.55
Vita Pets.....	.55

The Above Prices Are Postpaid.

TOP NOTCH  
APPROVED . . .

# FEEDERS-FOUNTAINS-BROODERS

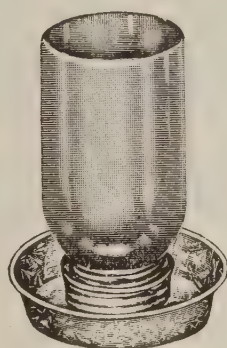


M 3942W

### HINGED WIRE GRILL TYPE FEEDER

Galvanized wire grill with 1 3/4-inch spacing. Wire grill is hinged; lifts easily to fill or clean trough. An ideal feeder for broilers, pullets or starting turkey poults. A real all-purpose feeder. Is 42 inches long and holds 15 quarts of feed.

No. 3942W—Each, postpaid, \$1.75.



### MASON JAR ENAMEL COVERED PAN FOUNTAIN

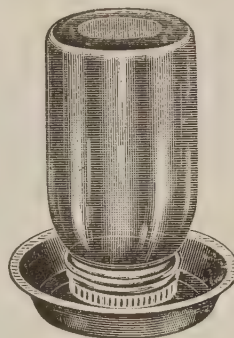
Made of strong sheet metal covered with firm coat of brilliant enamel which prevents rusting, therefore, lasts longer. Fits any Mason jar, which we do not furnish.

No. 69B—Enamel pan fountain holder. Postpaid, each, 15c; 4 for 45c.

### MASON JAR GALVANIZED PAN FOUNTAIN

Die-stamped pan with smooth rolled edge. Screw cap is spot welded to pan. Fits any size Mason jar, which we do not furnish.

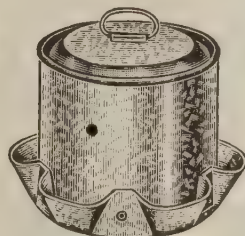
No. 69G—Galvanized Pan Fountain Holder. Postpaid, each, 15c; 4 for 45c.



### SNAP-ON CHICK FOUNTAIN

Inexpensive, single wall galvanized fountain. Bail for carrying. Has 6 drinking cups; 12 chicks can drink at once. Easy to fill and keep clean.

No. 100C—2-gal. size. Postpaid, each, \$1.05.

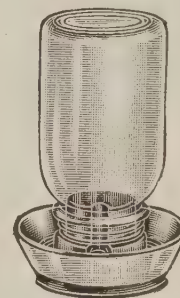


### "GRO-EZY" ELECTRIC BROODER

A sweeping success, a new Gro-Ezy Brooder equipped with automatic thermostat heat control, long electric heating element, heavy curtains, heavy wire floors, wire doors. Wide and deep troughs which do not waste feed and are adjustable; removable dropping pans, sanitary and easily cleaned.

The operating cost of Gro-Ezy Electric Brooders is low, uses only about one kilowatt in 24 hours. Capacity, 100 day-old chicks. Shipping weight 44 lbs.

No. 801—Complete (as illustrated), F.O.B. Memphis, \$10.95.



### MASON JAR GLASS PAN FOUNTAIN

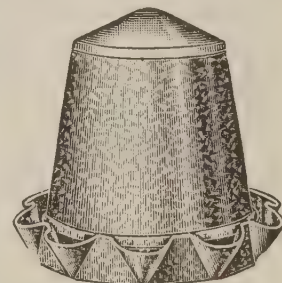
New style one piece flame polished glass. Pan forms substantial base for any Mason jar, which we do not furnish. Easy to keep clean and sanitary. For milk or medicated water.

No. 64—Mason Jar Glass Pan Fountain. Postpaid, each, 20c; 4 for 59c.

### TWO-PIECE CHICK FOUNTAIN

Die-stamped conical tops to prevent roosting. Drinking pan has scalloped cups preventing chicks from getting into pan.

No. 77—1-gal. size, postpaid, each, 73c.



### NEW THRIFTY DOUBLE WALL FOUNTAIN

Easy to fill and clean. Can be used for all fowls from baby chicks to hens.

No. 503—3-gal., postpaid, \$2.10.

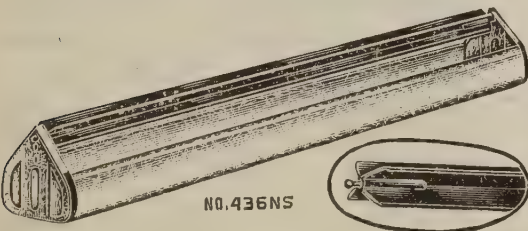
No. 505—5-gal., postpaid, \$2.80.



### HOME BROILER PLANT

May be operated in basement or garage. Start 40 chicks, brood 4 weeks in top section—then divide and place in 2-deck grower. A new lot is started each month. Shipping weight, 173 lbs.

Price, No. 310 Home Broiler Plant Complete, F.O.B. Memphis, \$30.70.

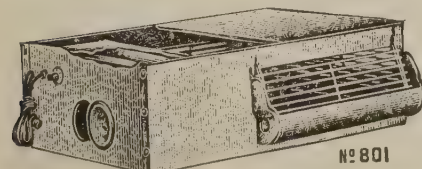


NO. 436NS

### STREAMLINE CHICK FEEDER

For chicks day old to 8 weeks. Revolving reel prevents chicks roosting or getting into trough. A real all-purpose feeder at low price.

No. 436NS—Chick Feeder, 36-in., postpaid, 95c



NO. 801

See Green Ink List

“ “ “ ” ” ”

RUSSELL-HECKLE



TOP NOTCH  
APPROVED . . .

# REMEDIES . . . SUPPLIES

FOR STOCK  
AND POULTRY



## KORUM

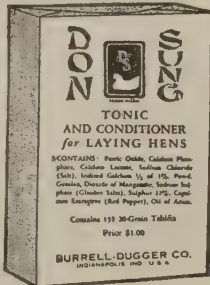
Pasty chix, sluggish hens and droopy poult cause loss and disappointment. Korum costs so little and is easy to use in any kind of fountain. Aids bowel regulation and mild elimination, a mild astringent, creates appetite and thirst, a tonic. Korum is of special value to baby chicks when first started.

Postpaid, 8-oz., 75c; 1-lb. oz., \$1.15; 32-oz., \$1.95; 1/2-gal., \$3.25.

## DON SUNG

Tonic and conditioner, is easily and economically given in the mash of laying hens. It does not force or hurt the hen in any way. Used and recommended for years by poultry raisers. Use one tablet to each 10 hens in wet mash. Complete directions on package.

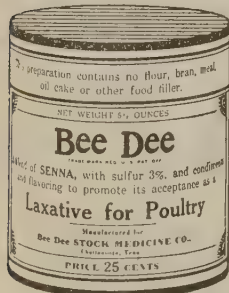
Postpaid, Trial size, 45 tablets, 50c; large size, 135 tablets, \$1.00; special economy size, \$5.00.



## "I Need T. S. F."

T. S. F. kills both old and young lice, including the young which hatch from eggs present on the fowl at time of treatment.

Postpaid, 1/2-lb. size, 45c; 1-lb. size, 70c.



## BEE DEE

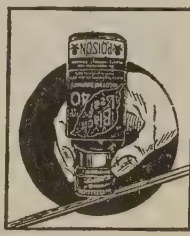
A laxative for poultry. Contains senna, with sulfur 3%, also condiments and flavoring. Does not contain any flour, bran, meal, oil cake or other food filler. Mix Bee Dee with poultry feed in the proportions as indicated on package.

Postpaid, 5 1/2-oz. size, 30c; 14-oz. size, 60c.

## BLACK LEAF 40

Kills poultry lice by painting it on the roosting poles. 1 oz. will treat 60 feet of roost. Do not use on immature chickens and repeat treatments when necessary.

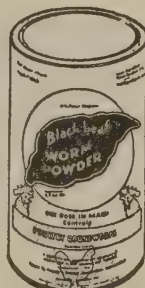
Postpaid, 1-oz. bottle, 35c; 5-oz. bottle, \$1.10; 1-lb. bottle, \$2.45; 2-lb. bottle, \$3.50; 5-lb. can, \$6.85; 10-lb. can, \$11.95.



## BLACK LEAF 40 WORM PELLETS

Individual treatment for round worms in poultry; safe and effective.

Postpaid, doz., 15c; 100, 85c; 500, \$3.25; 1000, \$6.00.



## BLACK LEAF 40 WORM POWDER

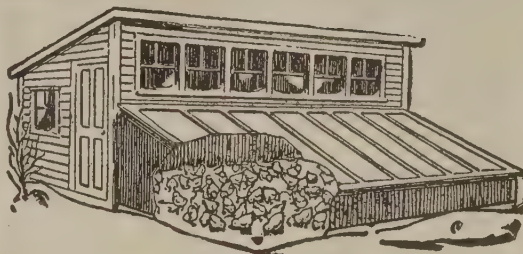
A flock treatment for round worms in poultry.

Postpaid, 100-dose size (1/4-lb.), 75c; 500-dose size (1 1/2-lb.), \$3.00.

## TOBACCO POWDER, GOLD LEAF

Use 2 lbs. to 100 lbs. of poultry mash to prevent round worms in poultry. For turkeys, use 4 lbs. to 100 lbs. of turkey mash.

Postpaid, 2-lb. pkg., 40c; 10-lb. pkg., \$1.00.



## GLASS CLOTH

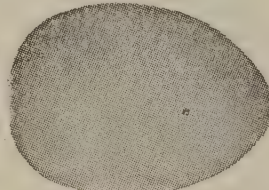
Glass Cloth windows and scratch sheds are very beneficial to poultry in the winter months. The same is true in growing plants in hot beds and cold frames. Glass Cloth comes 3 feet wide.

Postpaid, 5 yards long, \$1.49; 10 yards long, \$2.89; 15 yards long, \$4.23; 50 yards long, \$13.44.

## NEST EGGS

Look like real hen's eggs. Keep one in every nest, they will induce the hen to lay in nest provided for her.

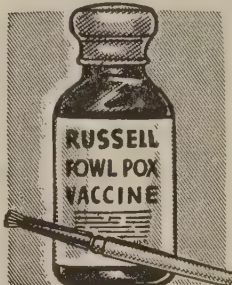
Postpaid, doz., 50c.



## RUSSELL'S FOWL POX VACCINE

Used in the prevention of Fowl Pox. Fowl Pox ravages poultry flocks quickly and layers infected may never recover their former stamina, health and egg production. Birds may be vaccinated at any time for Pox, but the ideal time is when pullets are two to four months of age.

Postpaid, 100-dose size, 75c; 500-dose size, \$3.25.



## CELLULOID LEG BANDS

These slip on like a key ring—come in five colors, white, black, green, blue and red. Made in sizes from 0 to 6. Order by number, stating what color you want.

Size	Doz.	50
0-Turkeys	\$0.15	\$0.35
1-Heavy Roosters	.12	.25
2-Heavy Hens, Light Roosters	.12	.25
3-Light Hens, Heavy Pullets	.10	.20
4-Growing Heavy Breeds	.08	.15
5-Growing Light Breeds	.08	.15
6-Baby Chicks	.08	.15

The Above Prices Are Postpaid.

## COLORLED CELLULOID SPIRALET LEG BANDS



## DRI-KIL

Dri-Kil is a dry powder, exceptionally effective against hog lice, cattle lice, horse lice, sheep ticks, poultry lice, and poultry mites when used according to directions. It has the advantage of being suitable for use in a general way on all



classes of stock and poultry, and being in a dry form can be used safely in cold weather.

Postpaid, 2-lb. pkg., 65c.

## DR. BLACKMAN'S MEDICATED LICK-A-BRICK

A tonic and conditioner combined with salt, for horses, mules, cattle and sheep. There is no dosing, no drenching, no mixing the medicine with the feed and the stock dose themselves according to their natural craving for salt. Stock will not get enough of the medicine in this form to be injurious.

Postpaid, 2 1/4-lb. brick, 40c.



## KOW KARE

The concentrated tonic, conditioner and regulator to promote assimilation, aid low-cost milk production and build up vigor for calving. A small dosage daily is a valued aid in getting more milk from the same feed, and averting many ills that threaten loss of dairy income.

Postpaid, 1 1/4-lb. size, 80c; 2 3/4-lb. size, \$1.45.

## BAG BALM

For chapped teats, scratches and pus infections on the skin, also for swelling, congestion or inflammation of the udder due to calving, high feeding, bruising or chilling.

Postpaid, 10-oz. size, 70c.



## RAY-ZEM

Thousands of turkey raisers throughout the United States use Ray-Zem to help keep losses down. Use Ray-Zem and see how nice your birds look and how fast they grow. Ray-Zem is good for both turkeys and chickens.

Postpaid, 6-oz. size, 85c; 3-oz. size, \$1.10; qt. size, \$2.20; 1/2-gal. size, \$4.00; 1-gal. size, \$7.30.



## CONCENTRATE

SAL-VET. The most effective Mineral Compound and enables the livestock owner to make his own Stock Salt and Mineral Supplement. By using Sal-Vet Concentrate you will save a considerable amount of the feeding cost.

Postpaid, 3-lb. pkg., \$1.15; 7 1/2-lb. pkg., \$2.35; 15-lb. pkg., \$4.00.

## PICKER

This product has proven to be a successful method of discouraging cannibalism. If habit has started, apply PICKER on 10 per cent of the unpicked birds in the flock as well as on all the picked ones. It is a blood colored, distasteful, non-poisonous paste.

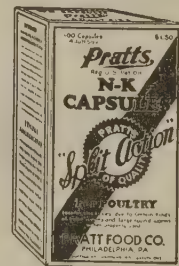
Postpaid, small jar, 30c; 7-oz. jar, 75c.



## PRATT'S "SPLIT-ACTION" CAPSULES

For chickens and turkeys infested with large round worms (Ascaridia lineata), cecal worms (Heterakis gallinae) and capillaria sp. worms of the intestinal tract.

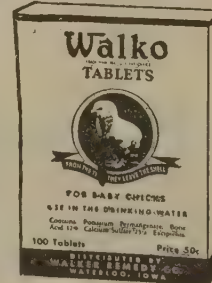
Postpaid, Adult Size: Doz., 20c; 50 for 60c; 100 for \$1.00; 500 for \$4.45; 1000 for \$8.50. Chick and Pullet Size: Doz., 15c; 50 for 50c; 100 for 75c; 500 for \$3.00; 1000 for \$5.75.



## WALKO

A valuable drinking water antiseptic for all poultry, to aid in preventing spread of disease through contaminated water. For baby chicks, turkeys, ducks and geese. Dissolve two tablets in each quart of drinking water from the time they leave the shell.

Postpaid, 100-tablet size, 50c; 235-tablet size, \$1.00.



RUSSELL-HECKLE

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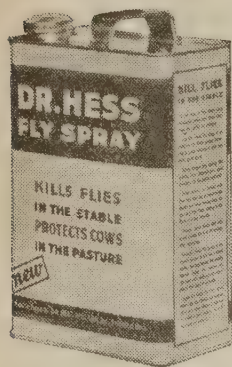
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For Quantity Prices





**DR. HESS LIVESTOCK FLY SPRAY**

Long lasting repellent. Protects cows from fly torture while they graze. Kills flies in the stable. Equally effective on horses. Has pleasant pine odor. Will not gum or discolor hair. Will not taint milk unless it comes in direct contact. Do not leave milk or milk containers exposed while spraying.

Postpaid, 1 gal., \$1.70.



**PTZ (Phenothiazine) WORM TREATMENT**

It has been recently discovered that a drug called phenothiazine has unusual power in expelling a number of species of worms from sheep, goats, horses, swine, cattle and poultry. It comes in pellet and powder form. The pellets may be easily administered with PTZ forceps. The powder is given to the animal by mixing with the feed.

**PTZ FOR SHEEP.** Highly effective against the troublesome and destructive stomach worm, the medium stomach worm, the bankrupt worm, the hookworm, the large-mouthed bowel worm, and the nodular worm. Two 13.5 gram PTZ pellets is a dose for an adult sheep; two 8-gram pellets is a dose for lambs.

**PTZ FOR GOATS.** The parasites infesting goats are very similar to those found in sheep and for all practical purposes the treatment is the same.

**PTZ FOR HORSES.** Highly effective in the removal of both large and small strongyles from horses. The material is also known to be partially effective against large roundworms. Four 13.5-gram PTZ pellets is a dose for a horse.

**PTZ FOR SWINE.** Has been found to be over 90 per cent effective against nodular worms in swine, and has an average efficacy of 60 per cent against the common large roundworm. PTZ powder is recommended for swine. One pound treats forty-five 50-pound pigs.

**PTZ FOR CATTLE.** Effective in the removal of stomach worms, nodular worms, and, in larger doses, hookworms in cattle. Two 13.5-gram PTZ pellets for each 200 pounds live weight.

**PTZ FOR POULTRY** in very small doses is effective in the removal of cecalworms in chickens. We recommend one-half gram per bird (one tablespoonful to 12 adults).

Postpaid Prices PTZ Pellets: 8-gram, doz., 55c; 50 for \$2.00; 100 for \$4.00; 13.5-gram, doz., 90c; 50 for \$3.40; 100 for \$6.75.

Postpaid Prices PTZ Powder: 4-oz. pkg., 55c; 1-lb. pkg., \$1.35; 5-lb. pkg., \$6.20.

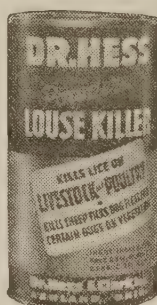
Price PTZ Forceps: Each, postpaid, 60c.



**DR. HESS CHICK TABLETS**

A valuable drinking water antiseptic for all poultry, to aid in preventing spread of disease through contaminated water. Crush and dissolve one tablet in each quart of drinking water (4 tablets to the gallon). As soon as tablets dissolve they stay in solution indefinitely. All the water is thoroughly medicated and remains effective until used.

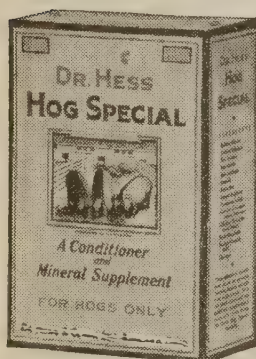
Postpaid, 45-tablet size, 25c; 100-tablet size, 50c; 225-tablet size, \$1.00.



**DR. HESS POWDERED LOUSE KILLER**

Kills ticks and lice on livestock and poultry. Kills winter ticks on sheep. A convenient way to use Dr. Hess Louse Killer on poultry is to put it in the dust bath, one pound louse killer to each bushel of dust or sifted ashes. Any lousy birds found not using the dust bath should be individually treated. In handy sifter-top packages.

1-lb. pkg., postpaid.....\$ .40  
2½-lb. pkg., postpaid..... .80  
6-lb. pkg., postpaid..... 1.45



**DR. HESS HOG SPECIAL**

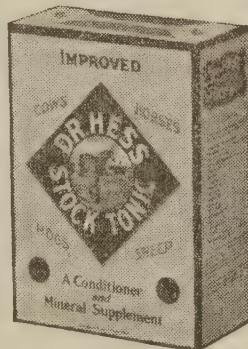
Especially for swine. Supplies minerals and keeps hogs' internal organs in full function.

Pkg.	Postpaid
1½-lb. ....	\$ .45
3-lb. ....	.70
5-lb. ....	1.05
7-lb. ....	1.30
10-lb. ....	1.75
15-lb. ....	2.40
30-lb. ....	4.25

**DR. HESS STOCK TONIC**

A conditioner and mineral supplement for cows, horses, hogs and sheep. Increases appetite, aids digestion and promotes proper elimination. Conditions horses and mules for work.

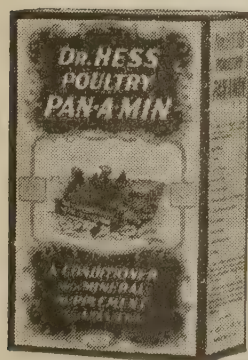
Pkg.	Postpaid
1½-lb. ....	\$ .45
3-lb. ....	.70
5-lb. ....	1.05
10-lb. ....	1.75
30-lb. ....	4.25



**DR. HESS POULTRY PAN-A-MIN**

A tonic conditioner for both young and mature birds. Whets appetite. Increases food consumption. Supplies necessary minerals apt to be lacking in feeds. Cost only 10 cents per hen per year.

Pkg.	Postpaid
1½-lb. ....	\$ .45
5-lb. ....	1.05
10-lb. ....	1.75
30-lb. ....	4.25



**GLOBE REMEDIES FOR STOCK AND POULTRY**

**GLOBE BARBED WIRE LINIMENT.** A wound dressing for barbed wire and similar cuts, wounds, rope burns, abrasions, collar sores, simple form of scratches and greasy heel.

Postpaid, 8-oz. bottle, 60c.

**GLOBE GALL LOTION.** Antiseptic and astringent for use in drying and healing superficial wounds, abrasions, scratches, collar and saddle gall.

Postpaid, 4-oz. bottle, 40c; 8-oz. bottle, 75c.

**GLOBE CARBO-COL.** This product has exceptional penetrating and preserving properties. One thorough application each year will keep chicken houses, nests, roosts, etc., free from chicken mites and chicken ticks (blue bugs), provided they are painted or sprayed thoroughly so that the Carbo-Col. comes in direct contact with all parts that harbor these parasites and further, that no new stock infected with these parasites is admitted to the premises.

Postpaid, 1 gal., \$2.00.

**GLOBE DIP.** A standardized dip for the disinfection of barns and premises, kennels, poultry houses and premises, livestock quarters and for all other purposes where a dip or disinfectant of this class is indicated. Dip doesn't mix readily with hard water, so add a little lye (about ¼ ounce) to each 100 gallons of water before adding the dip.

8-oz. bottle, postpaid.....	\$ .30
1-pt. bottle, postpaid.....	.50
1-qt. bottle, postpaid.....	.80
1-gal. bottle, postpaid.....	2.00

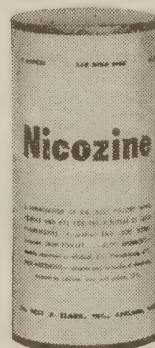


**NICOZINE**

A combination of Dr. Hess Poultry Worm Powder and PTZ (Phenothiazine) for the removal of large round worms (Ascaridia) and cecal worms (Heterakis) from poultry.

**NICOZINE POWDER.** Postpaid, 50-bird size, 50c; 100-bird size, 90c; 250-bird size, \$1.90; 500-bird size, \$3.00; 1000-bird size, \$5.40.

**NICOZINE TABS.** Postpaid, 40-tablet size, 50c; 100-tablet size, \$1.00; 250-tablet size, \$2.00; 1,000-tablet size, \$6.50.



**DR. HESS UDDER OINTMENT**

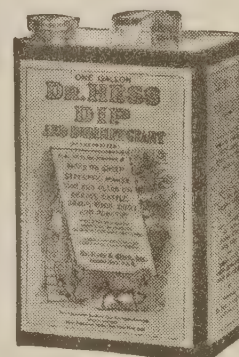
Used as an emollient (softening and soothing agent) for swollen or bruised udders, cracked or chapped teats, chapped skin, minor abrasions and bruises. For family use on bruises, burns, sprains, chapped hands, corns and bunions.

Postpaid, 8-oz. jar, 65c.

**DR. HESS POULTRY TABLETS**

Used as a local antiseptic in the treatment of local swellings of roup. Also used to disinfect the drinking water as an aid in preventing the spread of disease from contaminated water. Once dissolved the solution needs no further stirring.

Postpaid, 45-tablet size, 25c; 100-tablet size, 50c; 225-tablet size, \$1.00.



**DR. HESS DIP AND DISINFECTANT**

For killing sheep ticks, hog lice, poultry mites and other skin parasites of livestock. Has carbolic acid coefficient of 5. Makes milky white emulsion.

Size	Postpaid
12-oz. bottle.....	\$ .55
¼-gal. ....	.90
1-gal. ....	1.90

**DR. HESS POULTRY INHALANT**

A saponified compound that emulsifies in water. Makes an aromatic spray. An aid in expelling mucous from the upper respiratory tract and treating minor bronchial irritations. One tablespoonful makes enough spray to treat 100 birds several times. To apply, spray over the heads of confined birds.

Postpaid, 4-oz. bottle, 75c; 8-oz. bottle, \$1.20; 1-pt. bottle, \$2.00.

**DR. HESS SAPONIFIED CRESOL SOLUTION**

For general disinfectant of yards, barns and other premises in eradication of tuberculosis. Approved by Bureau of Animal Industry.

Postpaid, 1-gal. can, \$1.90.





# Russell-Heckle's Flower Seed Planting Guide

## To Help You Plan Your Garden

General information for Middle South  
and conditions, allowances to be made

AN ANNUAL PLANT—The seed must be sown each year and after producing its blossoms and seed the plant will perish.

A BIENNIAL PLANT—Is one that maintains its vitality for two years or more, producing roots and leaves the first year and fruit or blossoms the second.

A PERENNIAL PLANT—Is one that lives indefinitely and usually has a dormant season in which it loses its leaves and which puts on new growth the following growing season.

Symbols used: A—annual, B—biennial, P—perennial,

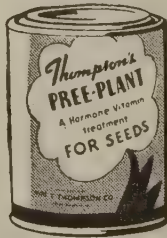
NAME	Height of Plant	Shape of Plant	Color of Flowers	Good Cut Flowers	Best Use	Location Sun-Shady	When to Plant
Ageratum (A).....	8-24 in.	bushy	blue, white	yes	bedding	sunny	Jan. to April
Alyssum (A).....	2-12 in.	spreading	white	fair	edging	sunny	March to April
Amaranthus (A).....	24-60 in.	bushy	reds	fair	bedding	sunny	Feb. to May
Asters (A).....	12-30 in.	bushy	many	yes	bedding	any	Jan. to June
Bachelor Button (A).....	12-18 in.	bushy	many	yes	bedding	sunny	April to May
Balsam (A).....	18-30 in.	erect	many	fair	border	sunny	March to May
Balsam Apple (A).....	15 in.	vine	orange fruit	no	novelty	sunny	April to May
Calendula (A).....	12-36 in.	bushy	yellow	yes	bedding	sunny	Jan. to April
Calliopsis (A).....	12-36 in.	bushy	yellow	yes	bedding	sunny	Jan. to April
Candytuft (A).....	12-18 in.	bushy	many	yes	bedding	sunny	March to April
Canterbury Bells (B).....	18-42 in.	bushy	many	fair	border	sunny	March to Sept.
Cardinal Climber (A).....	25 ft.	vine	red	no	climbing	sunny	March to May
Carnation (A-P).....	18-36 in.	bushy	many	yes	bedding	sunny	Feb. to March
Castor Bean (A).....	5-10 ft.	branchy	bronze leaves	no	massing	sunny	April to May
Chrysanthemum (A).....	24-36 in.	bushy	several	yes	bedding	sunny	March to May
Clarkia (A).....	15-30 in.	bushy	several	yes	border	sunny	March to April
Cobea Scandens (P).....	15-30 ft.	vine	purple	no	climbing	sunny	March to May
Cockscomb (A).....	12-24 in.	bushy	several	no	border	sunny	April to May
Coleus (A).....	12-24 in.	bushy	white	no	bedding	sunny	Feb. to March
Columbine (P).....	24-48 in.	branchy	several	yes	border	any	Aug. to Sept.
Coreopsis (P).....	18-36 in.	bushy	yellow	yes	bedding	sunny	Feb. to Apr. & Sept.
Cosmos (A).....	48-72 in.	bushy	several	yes	bedding	sunny	April to May
Cynoglossum (P).....	18-24 in.	bushy	blue	yes	border	sunny	March to Aug.
Cypress Vine (A).....	10-18 ft.	vine	red, white	no	climbing	sunny	April to May
Dahlia (P).....	36-72 in.	bushy	many	yes	bedding	sunny	Feb. to March
Daisy (A-P).....	10-30 in.	bushy	several	yes	edging	any	Feb. to Mar. & Aug.
Delphinium (P).....	36-60 in.	tall	blues	yes	border	sunny	Jan. to Mar. & Aug.
Eschscholtzia (A).....	10-12 in.	bushy	several	yes	bedding	sunny	March to May
Euphorbia (A).....	2-4 ft.	bushy	none	no	border	shady	April to May
Forget-Me-Not (P).....	8-12 in.	bushy	blue, white	yes	edging	shady	March to April
Four O'Clock (A).....	24-30 in.	bushy	many	no	border	sunny	March to April
Fox Glove (P).....	30-40 in.	erect	many	yes	bedding	sunny	Feb. to Mar. & Aug.
Gaillardia (A-P).....	18-30 in.	bushy	red, gold	yes	bedding	sunny	Feb. to April
Gomphrena (A).....	12-18 in.	bushy	purple, white	yes	bedding	sunny	April to May
Gourds (A).....	10-25 ft.	vine	white	no	novelty	sunny	April to June
Gypsophila (A).....	18-24 in.	branchy	white	yes	border	sunny	April to May
Helichrysum (A).....	24-36 in.	bushy	many	yes	bedding	sunny	Feb. to April
Hollyhock (P).....	5-8 ft.	slender	many	yes	border	moist	Feb. to Mar. & Aug.
Hyacinth Bean (A).....	10 ft.	vining	several	no	climbing	sunny	April to May
Kochia (A).....	36 in.	bushy	red	no	border	sunny	March to April
Kudzu (P).....	50 ft.	vine	purple	no	shade	any	March to April
Larkspur (A).....	36-48 in.	tall	many	yes	bedding	sunny	Mar. to May & Aug.
Lathyrus Latifolius (P).....	6-12 ft.	vine	several	yes	blanket	sunny	Jan. to April
Linum (A-P).....	12-30 in.	clump	red, blue	no	bedding	sunny	March to May
Lupine (A-P).....	24-30 in.	erect	several	yes	border	shady	April to May
Marigold (A).....	8-30 in.	bushy	yellow	yes	bedding	sunny	March to May
Mignonette (A).....	10-12 in.	erect	several	yes	edging	sunny	March to May
Moon Flower (A).....	20-30 ft.	vine	several	no	shade	sunny	March to May
Morning Glory (A).....	20-50 ft.	vine	many	no	shade	sunny	March to May
Nasturtium (A).....	1-8 ft.	bush, vine	many	yes	edging	sunny	April to June
Nicotiana (A).....	30-42 in.	branchy	several	yes	border	sunny	March to May
Pansy (A).....	4-6 in.	clump	many	yes	edging	any	Jan. to Mar. & Sept.
Petunia (A).....	18-24 in.	bushy	many	fair	bedding	any	Feb. to May
Phlox (A-P).....	12-18 in.	bushy	many	yes	bedding	sunny	March to May
Pinks (A-B).....	4-15 in.	bushy	many	yes	bedding	sunny	March to May
Poppy (A-P).....	24-60 in.	erect	many	yes	bedding	sunny	Jan. to April
Portulaca (A).....	4-6 in.	spready	many	no	edging	sunny	April to May
Pyrethrum (P).....	12-24 in.	erect	several	yes	bedding	sunny	Feb. to April & Sept.
Salvia (A).....	24-42 in.	bushy	red, blue	yes	bedding	sunny	March to May
Salpiglossis (A).....	18-30 in.	bushy	many	yes	border	any	March to May
Scabiosa (A).....	24-30 in.	bushy	many	yes	bedding	sunny	March to May
Snapdragon (A).....	18-24 in.	bushy	many	yes	bedding	any	March to May
Statice (P).....	18-30 in.	bushy	several	yes	bedding	sunny	Feb. to April
Stocks (A).....	24-30 in.	bushy	many	yes	bedding	sunny	March to May
Sunflower (A).....	48-72 in.	erect	yellow	yes	border	sunny	March to May
Sweet Pea (A).....	4-8 ft.	vine	many	yes	cutting	sunny	Oct. to April
Sweet William (B).....	12-24 in.	bushy	many	yes	bedding	sunny	Jan. to April
Texas Bluebonnet (A).....	24-30 in.	erect	many	yes	bedding	sunny	March to April
Thunbergia (A).....	4-5 ft.	vine	several	no	climbing	sunny	April to May
Tithonia (A).....	4-6 ft.	branchy	tangerine	yes	cutting	sunny	April to June
Torenia (A).....	10-12 in.	bushy	blue	no	bedding	shady	Feb. to May
Tritoma (P).....	3-4 ft.	erect	red	yes	bedding	sunny	Feb. to April & Sept.
Verbena (A-P).....	6-10 in.	spready	many	yes	edging	sunny	Feb. to May
Vinca (A).....	15-18 in.	bushy	pink, white	fair	bedding	sunny	Feb. to May
Zinnia (A).....	6-36 in.	bushy	many	yes	bedding	sunny	March to August



Thompson's TRANSPANT TABLETS are an aid in successful transplanting, minimizing wilting shock, interruption of growth. A combination of plant hormones, Vitamin B<sub>1</sub>, Pantothenic Acid, Riboflavin (B<sub>2</sub> or G), Nicotinic Acid and Vitamin B<sub>6</sub>. Postpaid prices, 40 Tabs, 50c; 100 Tabs, \$1.00.



Thompson's REE-ROOT—a newly developed hormone-B-Complex vitamin treatment for rapid rooting of cuttings. Packed in two formulas: No. 1 for more sensitive plants; No. 2 for the more hardy, woody plants. Postpaid prices, No. 1, 2-oz., 75c; No. 2, 1½-oz., \$1.00.



Thompson's PREE-PLANT is a powder for pre-treating certain flower and grass seeds and bulbs. Combines plant hormones, Vitamin B-Complex and an organic nitrogenous compound. Treat grass seeds with Pree-Plant for beautiful lawns. Postpaid price, 2-oz., \$1.00.



# BEAUTIFUL FLOWERS for Every Situation

**CULTURAL DIRECTIONS**—Light, rich loam is most suitable for flowers. The soil should be finely pulverized for best results. This is of paramount importance if one wishes to grow them successfully. They, in common with all other seeds, should be sown thinly and the soil pressed firmly over them and then covered lightly with damp peat moss. Water frequently. A good plan is: Sow the seeds in rows about 8 inches apart, then transplant to the permanent garden later. Do not cover flower seeds too deep. Shallow planting is desired. If the soil becomes dry, water it first before sowing seeds.

## AGERATUM

Of bushy habit, with effective lavender, blue and white flowers. They stand our hot, dry climate and the plants are covered with blooms from early summer till frost.

**MIDGET BLUE.** The first dwarf Ageratum that we have found that is uniformly dwarf and true to color from seed. Grows 2 to 3 inches high. Postpaid: Pkt., 30c; 1/16 oz., 85c; 1/8 oz., \$1.50; 1/4 oz., \$2.75.

**BLUE BALL.** Compact ball-shaped plants, 6 to 8 inches, flowers deep, dark blue. Postpaid: Pkt., 20c; 1/16 oz., 60c; 1/8 oz., \$1.00; 1/4 oz., \$1.80; 1/2 oz., \$3.25.

## ALYSSUM

Annuals that bloom freely throughout the summer. For borders, pots, rockeries or for cutting Alyssum is always satisfactory.

**VIOLET QUEEN.** A beautiful deep violet of dwarf, compact growth. Height 6 inches. Postpaid: Pkt., 10c; 1/16 oz., 25c; 1/8 oz., 35c; 1/4 oz., 55c; 1/2 oz., 85c; oz., \$1.50.

**SWEET ALYSSUM.** Height 1 foot. Flowers pure white. Postpaid: Pkg., 10c; 1/8 oz., 20c; 1/4 oz., 30c; 1/2 oz., 45c; oz., 65c.

**GOLDEN YELLOW.** Dwarf yellow flowers, plant compact. Postpaid: Pkt., 10c; 1/8 oz., 25c; 1/4 oz., 40c; 1/2 oz., 60c; oz., \$1.00.

**LITTLE GEM.** Plant extra dwarf, with snow-white flowers. Postpaid: Pkt., 10c; 1/8 oz., 25c; 1/4 oz., 40c; 1/2 oz., 60c; oz., \$1.00.



BALSAM, Camellia Flowered

## AMARANTHUS

These plants give brilliant contrasts of color, being useful for tall borders, groups and foliage effects.

**TRICOLOR (Joseph's Coat).** Leaves variegated, red, yellow and green. Postpaid: Pkt., 10c; 1/8 oz., 35c; 1/4 oz., 50c; 1/2 oz., 75c; oz., \$1.25.

**CAUDATUS.** Drooping crimson flower spikes with yellow greenish foliage. Postpaid: Pkt., 10c; 1/8 oz., 15c; 1/4 oz., 25c; 1/2 oz., 40c; oz., 60c.

## BACHELOR BUTTON

This free-blooming annual is also known as Cornflower. Sow in open ground, very early in February or March, about 1/4 inch deep. Transplant 6 to 8 inches apart. Fine for borders, beds or cutting.

**DOUBLE BLUE.** Dark blue. Postpaid: Pkt., 10c; 1/8 oz., 20c; 1/4 oz., 30c; 1/2 oz., 45c; oz., 65c.

**DOUBLE PINK.** Rosy pink. Postpaid: Pkt., 10c; 1/8 oz., 20c; 1/4 oz., 30c; 1/2 oz., 45c; oz., 65c.

**DOUBLE MAROON.** Blackish maroon. Postpaid: Pkt., 10c; 1/8 oz., 20c; 1/4 oz., 30c; 1/2 oz., 45c; oz., 65c.

**DOUBLE WHITE.** Pure white. Postpaid: Pkt., 10c; 1/8 oz., 20c; 1/4 oz., 30c; 1/2 oz., 45c; oz., 65c.

**DOUBLE RED.** Rich red. Postpaid: Pkt., 10c; 1/8 oz., 20c; 1/4 oz., 30c; 1/2 oz., 45c; oz., 65c.

**DOUBLE MIXED.** All colors. Postpaid: Pkt., 10c; 1/8 oz., 20c; 1/4 oz., 30c; 1/2 oz., 45c; oz., 65c.



BACHELOR BUTTON, Double White

## BALSAM

**CAMELLIA-FLOWERED.** Double. An old favorite garden annual, commonly known as Lady Slipper. Two feet high. Double mixed. Postpaid: Pkt., 10c; 1/8 oz., 35c; 1/4 oz., 50c; 1/2 oz., 75c; oz., \$1.25.

## BALSAM APPLE

A very ornamental and quick-growing annual vine, grown for its fruit. Postpaid: Pkt., 10c; 1/8 oz., 20c; 1/4 oz., 30c; 1/2 oz., 50c; oz., 80c.



CALENDULA, Campfire

## CALENDULA

One of the best hardy annuals. Plants 12 to 18 inches high; they have showy double flowers that bloom until frost. Grow in almost any garden soil.

**CAMPFIRE SENSATION.** Double rich brilliant orange flowers with a scarlet sheen. This is the new sensation Calendula. Postpaid: Pkt., 10c; 1/8 oz., 20c; 1/4 oz., 30c; 1/2 oz., 50c; oz., 80c.

**LEMON QUEEN.** A rich lemon-yellow. Postpaid: Pkt., 10c; 1/8 oz., 20c; 1/4 oz., 30c; 1/2 oz., 50c; oz., 80c.

**APRICOT QUEEN.** A dandy new shaded apricot that will please. Postpaid: Pkt., 10c; 1/8 oz., 20c; 1/4 oz., 30c; 1/2 oz., 50c; oz., 80c.

**BALL'S GOLDEN.** Deep golden yellow. Postpaid: Pkt., 10c; 1/8 oz., 20c; 1/4 oz., 30c; 1/2 oz., 50c; oz., 80c.

**CALENDULA (Mixed).** All varieties and colors in mixture. Postpaid: Pkt., 10c; 1/4 oz., 25c; 1/2 oz., 40c; oz., 60c.

## CALIFORNIA GIANT ZINNIA COLLECTION

- 1 Pkt. Crimson Queen..... 10c
- 1 Pkt. Golden Queen..... 10c
- 1 Pkt. Orange Queen..... 10c
- 1 Pkt. Rose Queen..... 10c
- 1 Pkt. Violet Queen..... 10c
- 5 Varieties Total Value 50c
- Postpaid Anywhere U. S. A. **30c**



ALYSSUM, Violet Queen

## ASTER

One of the easiest annual flowers to grow, height 2 feet. Sow seed early in March and transplant 18 inches apart.

### Wilt-Resistant Varieties

**GIANT COMET.** Branching sort with large full fluffy flowers, mixed colors. Postpaid: Pkt. 10c; 1/8 oz., 35c; 1/4 oz., 50c; 1/2 oz., 80c; 1 oz., \$1.35.

**AMERICAN BEAUTY.** Separate colors, crimson, flesh pink, carmine rose. Postpaid: Pkt., 10c; 1/8 oz., 45c; 1/4 oz., 65c; 1/2 oz., \$1.10; oz., \$1.95.

**AMERICAN BEAUTY MIXED.** Postpaid: Pkt., 10c; 1/8 oz., 35c; 1/4 oz., 55c; 1/2 oz., 90c; oz., \$1.55.

**CHINA MIXED.** Postpaid: Pkt., 10c; 1/8 oz., 25c; 1/4 oz., 40c; 1/2 oz., 60c; oz., \$1.00.

**ALL COLORS MIXED.** A splendid combination of double and giant Asters, many colors. Postpaid: Pkt., 10c; 1/8 oz., 25c; 1/4 oz., 40c; 1/2 oz., 60c; oz., \$1.00.

## GIANT SPENCER SWEET PEA COLLECTION

- 1 Pkt. Chinese Blue..... 10c
- 1 Pkt. Master Cream..... 10c
- 1 Pkt. Pinkie..... 10c
- 1 Pkt. Red Boy..... 10c
- 1 Pkt. Snow Ball..... 10c
- 5 Varieties Total Value 50c
- Postpaid Anywhere U. S. A. **30c**



# MAKE FLOWER GARDENING YOUR HOBBY



CARNATION, Chabaud's Giant Double

## CALLIOPSIS

Showy and free-flowering. Produces beautiful flowers of bright yellow and rich brown. A splendid summer bloomer, doing well in sunny places.

**TALL ANNUAL MIXED.** Postpaid: Pkt., 10c; 1/4 oz., 25c; 1/2 oz., 35c; oz., \$1.25.

## CANDYTUFT

Prolific bloomers, bearing in profusion clusters of flowers in a wide range of colors. Indispensable for cutting and very effective in beds or borders. Thin to 4 inches in row.

**CRIMSON, PINK, LAVENDER, WHITE.** Price of each postpaid: Pkt., 10c; 1/8 oz., 35c; 1/4 oz., 50c; 1/2 oz., 75c; oz., \$1.25.

**CANDYTUFT (Mixed).** A wide assortment of colors. Postpaid: Pkt., 10c; 1/8 oz., 25c; 1/4 oz., 35c; 1/2 oz., 50c; oz., 80c.

## CANTERBURY BELLS

Produces large bell-shaped flowers, plants 2 feet in height, hardy biennial of easy growth.

**DOUBLE MIXED.** Postpaid: Pkt., 10c; 1/8 oz., 35c; 1/4 oz., 50c; 1/2 oz., 75c; oz., \$1.25.

**ANNUAL CANTERBURY BELL.** Gold Medal Winner. Blooms the first season from seed, very showy. Mixed colors. Postpaid: Pkt., 10c; 1/8 oz., 25c; 1/4 oz., 40c; 1/2 oz., 60c; oz., \$1.00.

## CARNATION

Half-hardy plants that will bloom the first season from seed. Start indoors in boxes or beds in March and transplant to the open ground in May.

**CHABAUD'S GIANT DOUBLE.** Sweet scented. The large flowers are double and beautifully fringed. Height, 18 inches.

**RED, PINK, WHITE.** Price, each of these separate colors, postpaid: Pkt., 20c; 1/16 oz., 60c; 1/8 oz., \$1.00; 1/4 oz., \$1.75; 1/2 oz., \$3.25.

**CHABAUD'S GIANT DOUBLE MIXED.** A fine mixture of many colors. Postpaid: Pkt., 15c; 1/16 oz., 40c; 1/8 oz., 65c; 1/4 oz., \$1.10; 1/2 oz., \$2.00.

**MARGUERITE, DOUBLE MIXED.** A very popular showy carnation; easily grown, very fragrant. Mixed colors. Postpaid: Pkt., 10c; 1/16 oz., 30c; 1/8 oz., 45c; 1/4 oz., 65c; 1/2 oz., \$1.10.

## CARDINAL CLIMBER

The vine attains a height of 20 to 30 feet and produces small, glowing scarlet flowers. Annual. Postpaid: Pkt., 15c; 1/16 oz., 40c; 1/8 oz., 60c; 1/4 oz., \$1.00; 1/2 oz., \$1.75.

## CASTOR BEANS (Ricinus)

This showy annual is used for its foliage. Makes a splendid background as it attains a height of 8 to 9 feet, very attractive. It is also useful to keep moles out of the ground. Plant in April, 5 to 8 feet apart. The seeds are poisonous and should not be put in the mouth.

**ZANZIBARIENSIS (Mixed).** Tall growing, has bright colored foliage. Postpaid: Pkt., 5c; 1/2 oz., 15c; oz., 25c.

**RICINUS (Mixed).** A fine assortment of many-colored varieties. Postpaid: Pkt., 5c; 1/2 oz., 10c; oz., 15c.

## CHRYSANTHEMUM

Free-flowering annuals that bloom the first season, 1 to 1 1/2 feet in height, of simple culture. Sow in March and April.

**DOUBLE DWARF CORONARIUM.** Lovely button-shaped flowers 1 1/2 inches across, plants 18 inches high. Mixed colors. No seed available this season.

## CLARKIA

A very pretty old flower that has been greatly improved in recent years. Leafy racemes of double blooms which all open in water when cut. Does well either in sun or shade.

**DOUBLE MIXED.** Postpaid: Pkt., 10c; 1/16 oz., 25c; 1/8 oz., 40c; 1/4 oz., 60c; 1/2 oz., \$1.00; oz., \$1.80.



CHRYSANTHEMUM, Coronarium

## COBAEA SCANDENS

This annual climbing vine grows 18 to 20 feet in a season. It is very attractive and produces large bell-shaped blue flowers. Blooms until frost. Postpaid: Pkt., 10c; 1/16 oz., 25c; 1/8 oz., 35c; 1/4 oz., 55c; 1/2 oz., 85c; oz., \$1.50.

## COCKSCOMB

Fine for beds or borders. When grown as specimen plants they make a grand display and will stand almost any kind of weather. They will succeed in almost any situation. Annual. Sow in March.

**DWARF COCKSCOMB.** Resembles a large cock's comb. We offer the following varieties: **DEEP PURPLISH RED.** Postpaid: Pkt., 15c; 1/16 oz., 35c; 1/8 oz., 50c; 1/4 oz., 75c; 1/2 oz., \$1.25; oz., \$2.25.

**GOLDEN YELLOW.** Postpaid: Pkt., 10c; 1/16 oz., 25c; 1/8 oz., 40c; 1/4 oz., 60c; 1/2 oz., \$1.00; oz., \$1.80.

**DWARF MIXED COCKSCOMB.** Many colors of Celosia in mixture. Postpaid: Pkt., 10c; 1/8 oz., 40c; 1/4 oz., 60c; 1/2 oz., \$1.00; oz., \$1.80.



## HOTKAPS REDUCE TRANSPLANTING "SHOCK" HELP YOU ENJOY STURDIER FLOWERS EARLIER!

For maximum gardening success, protect tender seedlings from killing frost, storms, sand, fog, hot sun, birds and insects with Germaco Hotkaps. Transplant earlier, too! Then enjoy all your favorite flowers first! Quick, easy to set. Buy today.

Home Garden Package, 25 Hotkaps and Paper Setter, postpaid, 60c.



## An aid to VICTORY!

.. In times like these when you're apt to get that "down-in-the-mouth" feeling, turn to your friends of the flower garden. And remember to keep them glowing with vitality and friendliness by being sure they get all the 11 elements so necessary for plant growth. Feed them with

**VIGORO**  
Complete plant food

A Product of Swift & Company

1 lb. Pkg. Postpaid.....	\$ .20
5 lb. Pkg. Postpaid.....	.65
10 lb. Pkg. Postpaid.....	1.15
25 lb. Pkg. Postpaid.....	1.85

## COLUMBINE

Hardy perennials. Profuse blooming, making choicest cut flowers on long stems. They succeed best in shady, moist places, and grow from 1 to 2 feet in height.

### Long Spurred Strains

**BLUE SHADES.** Blue shades that will please the eye. Postpaid: Pkt., 25c; 1/16 oz., 75c; 1/8 oz., \$1.25; 1/4 oz., \$2.00.

**MRS. SCOTT ELLIOTT (Mixed).** The most desirable, having very long spurs. Postpaid: Pkt., 20c; 1/16 oz., 50c; 1/8 oz., 80c; 1/4 oz., \$1.35; 1/2 oz., \$2.50.



AQUILEGIA, Long Spurred Mixed



# IT WILL RELIEVE THE STRAIN OF WAR TIME

## COREOPSIS

No flower is longer in bloom during the whole season than Coreopsis. It is most excellent for cut flowers, lasting well. Bright yellow flowers, attractive and showy. Hardy perennial, easily grown from seed. Two feet.

**AURICULA SUPERBA.** A large bloomer measuring 3 inches across. The beautiful flowers, though single, have a serrated band of brownish-red encircling the golden disc, making it truly attractive. Flower lovers will find this to be a wonderful addition to their collection. Postpaid: Pkt., 10c; 1/16 oz., 25c; 1/8 oz., 40c; 1/4 oz., 60c; 1/2 oz., \$1.00; oz., \$1.80.

**DOUBLE SUNBURST GRANDIFLORA.** Sunburst is a pleasant change from the well-known single form and will add to the beauty of your early summer garden. The double flowers are deep golden yellow and measure 2 to 3 inches across. Postpaid: Pkt., 10c; 1/16 oz., 25c; 1/8 oz., 35c; 1/4 oz., 50c; 1/2 oz., 75c; oz., \$1.25.

## COSMOS

Hardy and fast growing. Plants 3 to 5 feet high, with feathery green foliage, producing in a variety of colors, single and double flowers on long, graceful stems. This is one of the best flowers to grow for cutting.

**ORANGE FLARE.** A beautiful new early flowering single bloomer of the same shade as Klondyke. Will bloom within 90 days of planting. Postpaid: Pkt., 10c; 1/8 oz., 25c; 1/4 oz., 40c; 1/2 oz., 60c; oz., \$1.00.

**NEW SENSATION PINKIE.** Extra large with fluted petals. A very bright pink. Postpaid: Pkt., 10c; 1/8 oz., 25c; 1/4 oz., 40c; 1/2 oz., 60c; oz., \$1.00.

**NEW SENSATION PURITY.** Snow-white, fine, bold, large flowers. Postpaid: Pkt., 10c; 1/8 oz., 25c; 1/4 oz., 40c; 1/2 oz., 60c; oz., \$1.00.

**GIANT FLOWERING (Mixed).** Postpaid: Pkt., 10c; 1/8 oz., 20c; 1/4 oz., 30c; 1/2 oz., 50c; oz., 80c.

**EARLY FLOWERING (Mixed).** Postpaid: Pkt., 10c; 1/4 oz., 25c; 1/2 oz., 35c; oz., 55c.

**DOUBLE CRESTED (Mixed).** All shades of Double Crested Cosmos in mixture. Postpaid: Pkt., 10c; 1/16 oz., 25c; 1/8 oz., 35c; 1/4 oz., 55c; 1/2 oz., 90c; oz., \$1.55.



COSMOS, Sensation Pinkie

## BLOOM LIFE Cut-Flower Food

has been especially developed to give extra life, color and fragrance to all hard-stem blooms such as roses, larkspur, zinnias, lilies, etc. Results are remarkable. One package sufficient for one dozen roses. Price, per package, postpaid, 10c; 3 pkgs., 25c.



## CYNOGLOSSUM

Also known as Chinese Forget-Me-Not. Free blooming; blue flowers. Sow in April. Hardy annual, 2 feet high.

**CYNOGLOSSUM, DWARF FIRMAMENT.** A dwarf and compact plant with a delightful shade of dark-blue blooms. Favored by many as it does not grow tall and unruly as do the other Chinese Forget-Me-Nots. Postpaid: Pkt., 10c; 1/8 oz., 25c; 1/4 oz., 40c; 1/2 oz., 60c; oz., \$1.00.

**AMABILE BLUE.** Forget-Me-Not blue flowers, with a much stronger plant, growing about 18 inches high, and blooming throughout the summer. Postpaid: Pkt., 10c; 1/4 oz., 25c; 1/2 oz., 40c; oz., 60c.

## DAHLIAS

Most flower lovers plant Dahlia Roots as they do not know that beautiful blooms can be successfully produced the same season from seed. There is a real fascination in growing Dahlias from seed, as new varieties are originated in this manner. The roots can be dug and stored for planting the following season. Try this method and enjoy a pleasant surprise.



DAHLIA, Unwin's Mixed

**UNWIN'S IDEAL BEDDING MIXED.** A curled or semi-quilled Dahlia. Blooms are miniature double and semi-double in bright shades of red, rose, yellow, white and lavender. The plant is 18 to 24 inches high and should not require stakes. Blooms the first year from seed and produces blooms that are superior, especially in color. Dahlias from seed are the latest garden rage. Save the roots of the colors you like best. Postpaid: Pkt., 15c; 1/16 oz., 40c; 1/8 oz., 65c; 1/4 oz., \$1.10; 1/2 oz., \$2.00.

**DOUBLE MIXED.** Postpaid: Pkt., 15c; 1/16 oz., 40c; 1/8 oz., 65c; 1/4 oz., \$1.10; 1/2 oz., \$2.00.



## HYPONEX PLANT FOOD

With Hyponex-and-water, plants will grow and flourish in clean sand, cinders or barren earth. Hyponex is ideal for hydroponics—the science of growing plants without soil. A teaspoonful makes a gallon of liquid plant food. Postpaid, 1-oz. pkt., 10c; 3 pkgs., 25c; 1-lb. can, \$1.00.



CYNOGLOSSUM, Firmament

## DAISIES

**SHASTA DAISY.** Well known perennial, about two feet high, beautiful flowers with pure white petals, with golden center. Fine for cut flowers. Postpaid: Pkt., 10c; 1/16 oz., 25c; 1/8 oz., 35c; 1/4 oz., 55c; 1/2 oz., 85c; oz., \$1.50.

### Annual Varieties

**SULTAN.** Dark Copper Crimson, Yellow zone.  
**EASTERN STAR.** Primrose, Yellow disk, brown eye.

Postpaid: Pkt., 10c; 1/8 oz., 25c; 1/4 oz., 40c; 1/2 oz., 60c; oz., \$1.00.

## DELPHINIUM

Hardy perennial Larkspur. Sow in early spring and transplant 24 inches apart in a shaded location; fine for perennial beds. Add lime to soil for better results.

**BELLAMOSUM.** Perennial dark blue Delphinium. Postpaid: Pkt., 15c; 1/16 oz., 35c; 1/8 oz., 55c; 1/4 oz., 90c; 1/2 oz., \$1.60; oz., \$3.00.

**PERENNIAL DELPHINIUM (Mixed).** Many colors in assortment. Postpaid: Pkt., 15c; 1/16 oz., 35c; 1/8 oz., 55c; 1/4 oz., 85c; 1/2 oz., \$1.50; oz., \$2.80.

## ESCHSCHOLTZIA

The well-known California Poppy. Annuals that bloom profusely in early summer, of easiest culture, which makes them valuable as a bedding plant; one foot in height. Sow seed in February and March where they are to remain.

**AURANTIACA.** Deep orange shade. Postpaid: Pkt., 10c; 1/4 oz., 25c; 1/2 oz., 40c; oz., 60c.

**SALMON BEAUTY.** Beautiful salmon-pink. No seed available this season.

**ESCHSCHOLTZIA (Mixed).** All colors in a fine mixture. Postpaid: Pkt., 10c; 1/4 oz., 25c; 1/2 oz., 40c; oz., 60c.

## EUPHORBIA

### (SNOW ON THE MOUNTAIN)

Plants with very colorful foliage grown in the garden or border to contrast pleasingly with those that have all green leaves.

**VARIEGATA.** At first the leaves are bright green, but as they mature they become more and more tinged and margined with silvery white. This plant likes the sun, and it also grows well in poor and dry soil. Postpaid: Pkt., 10c; 1/8 oz., 20c; 1/4 oz., 30c; 1/2 oz., 50c; oz., 80c.



# Plant GAILLARDIA for Brilliant Cut Flowers

## FOXGLOVE

Hardy reseeding biennial, a popular favorite in old-fashioned gardens. Height 3 feet. Sow seed early in boxes and transplant.

**FINEST MIXED.** All colors in assortment. Postpaid: Pkt., 10c; 1/8 oz., 35c; 1/4 oz., 55c; 1/2 oz., 85c; oz., \$1.45.

## FOUR O'CLOCK

Hardy annual of easiest culture. Succeeds best in open situations. Sow in March and April.

**MIXED COLORS.** Postpaid: Pkt., 10c; 1/4 oz., 35c; 1/2 oz., 50c; oz., 80c.

## GAILLARDIA (BLANKET FLOWER)

Splendid showy annuals and perennials, remarkable for the profusion and brilliancy of their flowers. Excellent for beds or cutting. Height 1 1/2 to 2 feet.

**DOUBLE LORENZIANA (Mixed).** The flowers are large, long stemmed and brilliantly colored. They bloom quickly from seed and continue throughout the summer and fall. The large double flowers are made up of numerous quilled petals, and very attractive. Excellent annual for cutting. Postpaid: Pkt., 10c; 1/8 oz., 35c; 1/4 oz., 50c; 1/2 oz., 80c; oz., \$1.35.

**BURGUNDY.** Perennial, coppery scarlet. Postpaid: Pkt., 15c; 1/16 oz., 35c; 1/8 oz., 55c; 1/4 oz., 85c; 1/2 oz., \$1.45; oz., \$2.70.

**DAZZLER.** Perennial, maroon-red and yellow. Postpaid: Pkt., 10c; 1/8 oz., 40c; 1/4 oz., 60c; 1/2 oz., \$1.00; oz., \$1.80.

**PICTA, DOUBLE MIXED.** Postpaid: Pkt., 10c; 1/8 oz., 35c; 1/4 oz., 50c; 1/2 oz., 80c; oz., \$1.35.



GAILLARDIA, Dazzler

## GOURDS

A tribe of climbers with curiously shaped and colored fruit. Being of rapid growth they are fine to cover old fences, trellises, stumps, etc.

**DIPPER.** The variety from which the old-fashioned long-handled dippers are made. Also used for bird houses. Postpaid: Pkt., 5c; 1/4 oz., 15c; 1/2 oz., 25c; oz., 35c.

**DISH RAG.** The sponge-like interior is fine for dish rags or to use in place of rags. Postpaid: Pkt., 5c; 1/4 oz., 15c; 1/2 oz., 25c; oz., 35c.

**NEST EGG.** Small white-fruited variety; makes splendid durable nest eggs. Do not plant in too rich soil because the fruits will grow too large. Postpaid: Pkt., 10c; 1/4 oz., 30c; 1/2 oz., 45c; oz., 65c.

**SUGAR TROUGH.** Immense gourd that can be made generally useful. With the neck sawed off can be used for buckets, baskets, nests, water dishes for poultry and many other uses. Postpaid: Pkt., 5c; 1/4 oz., 15c; 1/2 oz., 25c; oz., 35c.

**TURKS TURBAN.** Red, lower portion green, striped white. Very ornamental novelty. Grown for decorations. Postpaid: Pkt., 5c; 1/4 oz., 15c; 1/2 oz., 25c; oz., 35c.

**MIXED SMALL VARIETIES.** Special selection of the oddest, rarest shapes and colors to please and attract anybody. Postpaid: Pkt., 5c; 1/4 oz., 15c; 1/2 oz., 25c; oz., 35c.



## HELICHRYSUM, Mixed GOMPHRENA (GLOBE AMARANTH)

Annual, 1 1/4 feet in height. Showy everlasting flowers resemble clover heads and when dried are used for winter bouquets. Excellent for bedding.

**MIXED, ALL COLORS.** Postpaid: Pkt., 10c; 1/8 oz., 20c; 1/4 oz., 30c; 1/2 oz., 45c; oz., 65c.

## GYPSOPHILA (BABY'S BREATH)

Small graceful flowers, borne on long feathery stems. No flower adds more grace to a bouquet than this easily grown plant. Sow seed in March and April. Height 18 inches.

**ANNUAL WHITE.** Covent Garden Strain. Large flowering pure white, very showy. Postpaid: Pkt., 5c; 1/4 oz., 15c; 1/2 oz., 25c; oz., 35c.

**PERENNIAL WHITE.** A favorite hardy variety, the feathery foliage and white flowers are largely used in bouquets. Postpaid: Pkt., 10c; 1/8 oz., 15c; 1/4 oz., 25c; 1/2 oz., 35c; oz., 55c.

## HYACINTH CLIMBING BEAN

An annual rapid climbing vine that attains a height of 10 to 16 feet; has purple seed pods, rosy violet blooms.

**MIXED COLORS.** Postpaid: Pkt., 5c; 1/2 oz., 15c; oz., 25c.



GOURDS, Mixed Small Varieties



## HELICHRYSUM (STRAWFLOWER)

The large glittering colors of double flowers make a fine display in beds or borders, but are especially grown for winter use. Height of plant 2 to 2 1/2 feet. Sow seed in March and April. Thin to 12 inches.

**CRIMSON, YELLOW, PINK AND VIOLET.** Postpaid: Pkt., 10c; 1/8 oz., 35c; 1/4 oz., 55c; 1/2 oz., 85c; oz., \$1.50.

**HELICHRYSUM (Mixed).** All colors. Postpaid: Pkt., 10c; 1/8 oz., 35c; 1/4 oz., 55c; 1/2 oz., 85c; oz., \$1.50.

## HOLLYHOCKS

Sow seed in early spring in boxes and transplant when 6 inches high, 2 feet apart. Plant in rich soil, water well if possible and they will grow 5 feet tall. Hollyhocks make a fine background or a tall border.

**DOUBLE YELLOW, DOUBLE PINK, DOUBLE WHITE, DOUBLE RED.** Price above separate colors Hollyhocks: Postpaid: Pkt., 15c; 1/16 oz., 35c; 1/8 oz., 55c; 1/4 oz., 90c; 1/2 oz., \$1.60; oz., \$3.00.

**SINGLE MIXED.** Postpaid: Pkt., 10c; 1/8 oz., 20c; 1/4 oz., 30c; 1/2 oz., 50c; oz., 80c.

**DOUBLE MIXED.** Postpaid: Pkt., 10c; 1/16 oz., 30c; 1/8 oz., 45c; 1/4 oz., 65c; 1/2 oz., \$1.10; oz., \$1.95.

## KOCHIA

(MEXICAN FIRE BUSH)

This is a showy annual and easy to grow. Plant in March or April. The plant forms a dense oval bush 2 to 4 feet in height with light green foliage, changing to carmine as the summer advances. Postpaid: Pkt., 5c; 1/4 oz., 15c; 1/2 oz., 25c; oz., 35c.



Anita Louise,

Garden-loving Hollywood Star, says:

"It's so easy to tie plants with

Germaco **TWIST-EMS**

... quick, neat, permanent, too!"

Say "goodbye" to unsightly twine and raffia, to needless work with shears. Say "hello" to TWIST-EMS, to gardening fun. Just a twist of the wrist and TWIST-EMS—strong, dark-green "invisible" tapes—protect stems, properly support your plants. Attractive. Grand for flower arrangement. Millions used.



Box of 125, 8 inch size, Postpaid..... 25c  
Box of 125, 16 inch size, Postpaid..... 50c

## RICHLAND PEAT MOSS

Richland Peat Moss from the Penobscot High-Moor deposits is of the purest and finest quality that Nature has yet made. Once worked into the soil it lasts for years and years. It resists packing and makes even the heaviest soil mealy. It gives organic texture to light and sandy soils, and holds moisture for weeks right at the root level. It combines with all fertilizers, making them more effective and helping to hold their plant-foods from going down to waste below the roots. Price F.O.B. Memphis, per bale (about 120 lbs.), \$4.50. Small bag (about 10 lbs.), postpaid, \$1.75.



# LARKSPUR MAKES A PERFECT BACKGROUND



LARKSPUR, Giant Imperial Blue Bell

## LARKSPUR

Free-flowering annuals, easy to grow; effective for beds or massing, and will make fine cutting material. The new colors in Larkspur are beautiful to behold. Sow seed in February or March. Thin to a foot apart. Plants 2½ to 3 feet tall. Larkspur will thrive in almost any soil. They should be planted in an open situation.

### Double Stock Flowered

A splendid old garden favorite, greatly improved by careful selection for doubleness and size of flowers, new colors and better habit of growth. The stately plants are well branched, and produce many fine spikes closely set with brightly colored, large, double blooms.

**DARK BLUE.** Rich, very dark blue shade.

**SKY BLUE.** Bright clear blue.

**DEEP SCARLET.** Deep rosy scarlet shade.

**PURE WHITE.** Pure clear white.

Price of above four colors, each: Postpaid: Pkt., 10c; 1/16 oz., 25c; 1/8 oz., 30c; 1/4 oz., 45c; 1/2 oz., 70c; oz., \$1.15.

**DOUBLE STOCK FLOWERED MIXED COLORS.** Postpaid: Pkt., 10c; 1/8 oz., 20c; 1/4 oz., 30c; 1/2 oz., 50c; oz., 80c.

### Double Giant Imperial

Attractive flower spikes, 3 to 4 feet tall, which stand upright, close to the center stalk—a decided improvement on older types. Well-formed, large, double flowers in a wonderful range of colors.

**BLUE BELL.** Clear azure-blue.

**BLUE SPIRE.** Very deep violet-blue.

**CARMINE KING.** New deep carmine-rose.

**MISS CALIFORNIA.** Soft pink, shaded salmon.

**WHITE SPIRE.** Dazzling pure white.

Price of above five colors, each: Postpaid: Pkt., 10c; 1/16 oz., 25c; 1/8 oz., 35c; 1/4 oz., 50c; 1/2 oz., 75c; oz., \$1.25.

**DOUBLE GIANT IMPERIAL MIXED COLORS.** Postpaid: Pkt., 10c; 1/8 oz., 25c; 1/4 oz., 40c; 1/2 oz., 60c; oz., \$1.00.

## LATHYRUS LATIFOLIUS (PERENNIAL SWEET PEA)

Rampant climbing or trailing plant with showy clusters of fine, sweet-pea-like flowers from June until September. Succeeds in almost any kind of soil and location. Desirable for trellis or covering banks, rocks, rough places; good for cutting. Quick grower. 5 to 6 feet.

**PINK.** Postpaid: Pkt., 10c; 1/8 oz., 35c; 1/4 oz., 50c; 1/2 oz., 80c; oz., \$1.35.

**RED.** Postpaid: Pkt., 10c; 1/8 oz., 35c; 1/4 oz., 50c; 1/2 oz., 80c; oz., \$1.35.

**WHITE.** Postpaid: Pkt., 10c; 1/8 oz., 35c; 1/4 oz., 50c; 1/2 oz., 80c; oz., \$1.35.

**MIXED.** All colors. Postpaid: Pkt., 10c; 1/8 oz., 35c; 1/4 oz., 50c; 1/2 oz., 75c; oz., \$1.25.

## LINUM (Flowering Flax)

**SCARLET FLAX.** A very attractive annual, growing 8 to 10 inches high. Flowers rich crimson, bloom until frost. Plant in a sunny location. 1½ feet. Postpaid: Pkt., 10c; 1/4 oz., 25c; 1/2 oz., 35c; oz., 55c.

**PERENNE.** Blue perennial Flax. 2½ feet. Postpaid: Pkt., 10c; 1/4 oz., 25c; 1/2 oz., 35c; oz., 55c.

**FLAVUM.** Golden yellow Flax, 1 foot. Postpaid: Pkt., 15c; 1/16 oz., 35c; 1/8 oz., 55c; 1/4 oz., 85c; 1/2 oz., \$1.50; oz., \$2.75.

## LUPIN

Make wonderful beds and borders, and the graceful spikes are valuable for indoor decoration. Sow annual lupins where plants are to bloom and thin to 1 foot apart. Start perennial lupins in hotbeds or indoor boxes for later transplanting. Prefer a lime-free soil.

**ANNUAL MIXED COLORS.** Postpaid: Pkt., 10c; 1/16 oz., 25c; 1/8 oz., 35c; 1/4 oz., 50c; 1/2 oz., 75c; oz., \$1.25.

**RUSSELL'S MIXED COLORS (Perennial).** The finest strain of perennial lupins in the world. The immense long, symmetrical, closely furnished spikes come in an indescribably rich variety of brilliant colors—they are borne clear above the foliage of the vigorous plants. Extremely showy in perennial borders and a gorgeous cut flower. Height 3 feet.

Postpaid: Pkt., 15c; 1/16 oz., 35c; 1/8 oz., 55c; 1/4 oz., 90c; 1/2 oz., \$1.60; oz., \$3.00.

## MIGNONETTE

An old-time favorite sweet-scented flower growing about 12 inches high. Thrives best in cool places and in rather light soil.

**SWEET SCENTED.** Postpaid: Pkt., 10c; 1/4 oz., 25c; 1/2 oz., 35c; oz., 50c.



MARIGOLD, Gigantea Sunset Giants



MARIGOLD, Dixie Sunshine

## MARIGOLD

Marigolds are easy to grow, they prefer sun and rich soil—Sow seed in Spring. Plants will bloom profusely until late Fall.

**MISSION GIANTS GOLDSMITH.** Giant incurved chrysanthemum-like, golden orange flowers up to 4 in. across and almost a perfect ball in shape. Plants grow 18 inches tall, are base branching, each plant producing 8 to 12 stems of excellent cutting length, the laterals or side branches producing just as large a flower as the center stems. Early and free blooming. Postpaid: Pkt., 10c; 1/16 oz., 25c; 1/8 oz., 35c; 1/4 oz., 55c; 1/2 oz., 90c; oz., \$1.55.

**CROWN OF GOLD.** The chrysanthemum top is surrounded by a collar of big broad petals of deep bright golden orange. The crown is the same color. The large flowers are entirely odorless. Grows 2 feet tall. Postpaid: Pkt., 10c; 1/8 oz., 35c; 1/4 oz., 50c; 1/2 oz., 75c; oz., \$1.25.

**DIXIE SUNSHINE.** One of the finest nearly odorless bright yellow double Marigolds. Flowers 2½ inches across and free blooming. Postpaid: Pkt., 10c; 1/8 oz., 35c; 1/4 oz., 55c; 1/2 oz., 85c; oz., \$1.50.

**GIGANTEA SUNSET GIANTS.** Flowers average 5 inches across, ranging in color from deep orange to lemon-yellow and will come 65 per cent double; sweetly scented, almost odorless. Blooms early. Three feet in height. Postpaid: Pkt., 10c; 1/8 oz., 35c; 1/4 oz., 50c; 1/2 oz., 80c; oz., \$1.35.

**GUINEA GOLD.** Grows 2 feet high. Flowers semi-double, 2 inches across with wavy petals of a brilliant shade of orange and gold. Postpaid: Pkt., 10c; 1/8 oz., 25c; 1/4 oz., 40c; 1/2 oz., 60c; oz., \$1.00.

**YELLOW SUPREME.** A beautiful, clear, canary-yellow flower, which is 3 to 4 inches across. Postpaid: Pkt., 10c; 1/8 oz., 25c; 1/4 oz., 40c; 1/2 oz., 60c; oz., \$1.00.

**PRINCE OF ORANGE.** Stiff stemmed, large African Marigold, deep orange in color. Postpaid: Pkt., 10c; 1/8 oz., 35c; 1/4 oz., 55c; 1/2 oz., 90c; oz., \$1.55.

**AFRICAN TALL DOUBLE MIXED.** Thirty inches. A mixture of all tall African double varieties. Postpaid: Pkt., 10c; 1/8 oz., 25c; 1/4 oz., 40c; 1/2 oz., 60c; oz., \$1.00.

**FRENCH TALL DOUBLE MIXED.** This class has compact, firm blooms, all colors mixed. Plant grows 24 inches high. Postpaid: Pkt., 10c; 1/4 oz., 30c; 1/2 oz., 50c; oz., 80c.

**FRENCH DWARF DOUBLE MIXED.** Splendid for borders, plants compact, 15 to 18 inches high, free-blooming. Postpaid: Pkt., 10c; 1/4 oz., 25c; 1/2 oz., 35c; oz., 55c.

**FRENCH DWARF DOUBLE ORANGE.** Has beautiful ball-shaped all-orange flowers. Plants compact, 12 to 15 inches high. Postpaid: Pkt., 10c; 1/8 oz., 35c; 1/4 oz., 55c; 1/2 oz., 85c; oz., \$1.45.

**FRENCH DWARF DOUBLE LEMON BALL.** Beautiful ball-shaped lemon colored flowers. Plants compact, 15 to 18 inches high. Postpaid: Pkt., 10c; 1/4 oz., 30c; 1/2 oz., 50c; oz., 80c.

**FRENCH DWARF DOUBLE HARMONY.** Flowers medium size, very double with deep orange petals flanked with maroon, brown outside. Plants 12 to 14 inches in height. Postpaid: Pkt., 10c; 1/4 oz., 30c; 1/2 oz., 45c; oz., 85c.

## "DOGZOFF"



"DOGZOFF"  
Copyright 1932

Spray it on shrubs and evergreens to keep dogs from becoming a nuisance. One spraying will last three or four weeks. 3-oz. bottle, postpaid, 65c.

## DO DOGS RUIN YOUR GARDEN?



Keep dogs away from gardens, shrubs, evergreens. You don't see it... don't smell it, but dogs do and keep away. Won't dissolve in rain.

Postpaid: 4-oz. size, 60c; 12-oz. size, \$1.15.

LIQUID CHAPERONE



# Morning Glories Are Lovely In Red, White, Blue

## MOON FLOWER

Rapid-growing climbers with large brilliantly-colored blooms. Seed should be cut, then soaked in warm water to get good germination. Plant when ground is warm.

**WHITE MOON VINE.** Giant, pure white flowers, measuring 5 to 6 inches across. Blooms open nights and cloudy days. Postpaid: Pkt., 10c; ¼ oz., 25c; ½ oz., 35c; oz., 55c.

**BLUE MOON VINE (Heavenly Blue).** The flowers are deep sky blue, with white throat, and open in the evening. Postpaid: Pkt., 10c; ¼ oz., 25c; ½ oz., 35c; oz., 55c.

## MORNING GLORY

As Morning Glory seed are very hard, we advise soaking them in lukewarm water for several hours before sowing. If your soil is heavy, we suggest that an addition of sand be made before planting.

**SCARLETT O'HARA.** An entirely new color in this popular garden flower, rich, dark wine red, or deep rosy crimson. The flowers are of good size, about 3½ inches in diameter, freely produced on fast growing vines which start blooming within 65 days after seed is sown. Postpaid: Pkt., 10c; ¼ oz., 35c; ½ oz., 55c; 1 oz., 85c; oz., \$1.50.



MORNING GLORY, Scarlett O'Hara

**CLARK'S HEAVENLY BLUE.** The blooms are a beautiful shade of blue. Its extra early flowering habit makes it particularly valuable in sections where other vines are too late. Our customers will be favorably impressed with it, for it is truly lovely. Postpaid: Pkt., 10c; ¼ oz., 30c; ½ oz., 50c; oz., 80c.

**PEARLY GATES.** Identical with Clark's Heavenly Blue except the color. A big, satiny white, with a creamy shading in the throat, gives this a beautiful appearance. Plant with Clark's Heavenly Blue and Scarlett O'Hara for red, white and blue effect. Postpaid: Pkt., 10c; ¼ oz., 35c; ½ oz., 50c; 1 oz., 80c; oz., \$1.35.

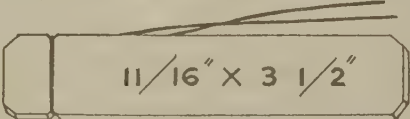
**IMPERIAL MIXED.** Flowers are the largest of any Morning Glory and of the finest coloring. They have various shades, solid colors and variegated mixed colors. Postpaid, Pkt., 10c; ¼ oz., 30c; ½ oz., 50c; oz., 80c.

**CHOICE MIXED.** Flowers bell-shaped, in many colors. Postpaid: Pkt., 5c; ½ oz., 25c; oz., 35c.

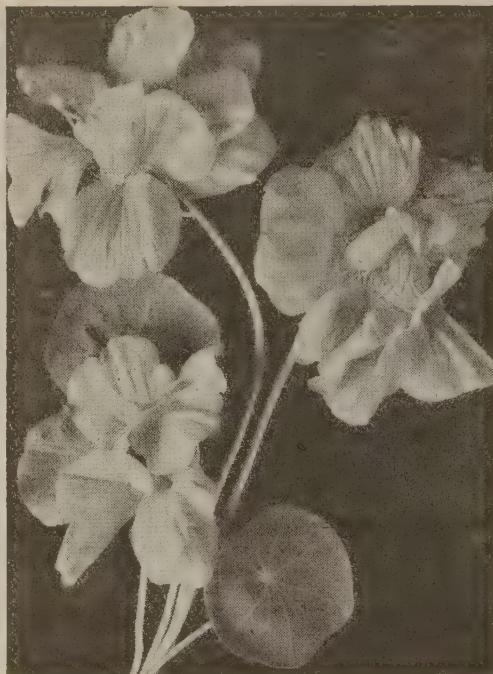
## WIRED PLANT LABELS

These labels are made of white wood and are wired for attaching. Used by gardeners, orchardists and nurserymen for labeling trees, plants, shrubs, and flowering plants.

Postpaid: 100 for 50c; 1,000 for \$2.65.



RUSSELL-HECKLE



NASTURTIUMS, Double Gleam Hybrids

## NASTURTIUMS

Succeed best in poor gravelly soil. Plant early in March, thin to 6 inches apart. Half-hardy annual.

**DOUBLE GOLDEN GLEAM.** The beautiful blossoms are on long stems, golden yellow in color, fragrant and are attractive when used as cut flowers. The blooms measure 2½ inches or more across. A blaze of color when in full bloom. Postpaid: Pkt., 10c; oz., 30c; ¼ lb., 90c; ½ lb., \$1.60; lb., \$3.00.

**DOUBLE SCARLET GLEAM.** Blooms are a fiery orange scarlet, comparable to the brilliancy of Scarlet Sage. The fragrance of the bloom is very pronounced and the foliage is lush green. Very easy to grow. Postpaid: Pkt., 10c; oz., 30c; ¼ lb., 90c; ½ lb., \$1.60; lb., \$3.00.

**DOUBLE GLEAM HYBRIDS (Mixed).** Gorgeously colored, large well formed flowers of dazzling beauty. Glorious double blooms of salmon, golden yellow, orange scarlet, cerise, cream yellow, orange, crimson and gold flush scarlet, which certainly show up beautifully in contrast to the fresh green foliage. Postpaid: Pkt., 10c; oz., 30c; ¼ lb., 90c; ½ lb., \$1.60; lb., \$3.00.

**DWARF MIXED.** All dwarf varieties in a fine combination of color, fine for borders or beds. Postpaid: Pkt., 10c; oz., 25c; ¼ lb., 75c; ½ lb., \$1.35; lb., \$2.50.

**TALL MIXED.** Excellent for trellises or hanging baskets, etc. Postpaid: Pkt., 10c; oz., 25c; ¼ lb., 75c; ½ lb., \$1.35; lb., \$2.50.



**SUDBURY HOME GARDENERS' SOIL TEST-KIT.** Tests for nitrogen, phosphorus, potash and acidity. It will make at least three separate tests for each element, which means a whole year's soil testing for most gardeners. The information will enable you to make intelligent adjustment of your soil to the requirements of your plants and grasses.

Postpaid: Each, \$2.10.



**GOOD NEWS!**

Vigoro, the complete, 11-element plant food is now available in handy tablet form for house plant and window box use. Order a box—24 tablets 10c.

**VIGORO TABLETS**

*A Product of Swift*

## NICOTIANA

This beautiful plant is very easy to grow and is used for beds or borders, giving a gorgeous display of showy fragrant blooms throughout the late summer and fall.

**HYBRIDS (Mixed).** A great variety of lovely shades. Postpaid: Pkt., 10c; ¼ oz., 40c; ½ oz., 60c; oz., 95c.

## PANSIES

Sow seeds indoors very early in spring or outdoors later in the open ground. Transplant when an inch high.

**SWISS GIANT.** New hybrids that have created quite a sensation among pansy growers. Blooms measure 2 to 3 inches across. Mixed colors. Postpaid: Pkt., 25c; 1/16 oz., \$1.00; 1/8 oz., \$1.75; ¼ oz., \$3.25.

**ALL AMERICA GIANTS.** A glorious combination, the blossoms are extra size, waved and frilled, with beautiful markings, in a wonderful range of colors. Postpaid: Pkt., 25c; 1/16 oz., \$1.00; 1/8 oz., \$1.75; ¼ oz., \$3.25.

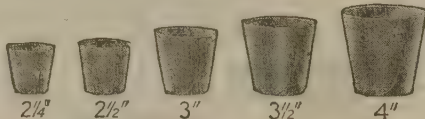
**MAPLE LEAVED GIANTS.** One of the largest, if not the largest, of the large flowering strains of Pansies. Has a good range of colors. Postpaid: Pkt., 25c; 1/16 oz., \$1.00; 1/8 oz., \$1.75; ¼ oz., \$3.25.



PANSIES, Swiss Giant

## PAPER FLOWER POTS

	100	1000
2¼-inch .....	Postpaid \$ .65	\$4.70
2½-inch .....	Postpaid .65	4.90
3-inch .....	Postpaid .75	5.90
4-inch .....	Postpaid 1.00	7.75



For Quantity Prices



# PETUNIAS---FOR MASSING AND BORDERS

There is no flower more highly prized for use in beds, massing borders, window boxes, baskets and vases; easily grown, as they succeed in almost any soil and produce fragrant blossoms no matter how hot it gets the entire season. Sow thinly in March or April and do not cover seed very deep.



PETUNIA, Celestial Rose

## Petunia Nana Erecta

These grow erect and bushy, 10 to 12 inches high. Desirable for beds; single flowers.

**BLUE BEDDER.** Rich royal blue, a beautiful attractive shade. Postpaid: Pkt., 15c; 1/16 oz., 35c; 1/8 oz., 55c; 1/4 oz., 85c; 1/2 oz., \$1.50; oz., \$2.75.

**CELESTIAL ROSE.** Beautiful deep solid bright pink color. Postpaid: Pkt., 15c; 1/16 oz., 40c; 1/8 oz., 65c; 1/4 oz., \$1.10; 1/2 oz., \$2.00; oz., \$3.75.

**ROSE OF HEAVEN.** Brilliant rose-pink, a slightly darker shade than Rosy Morn. Postpaid: Pkt., 15c; 1/16 oz., 35c; 1/8 oz., 55c; 1/4 oz., 85c; 1/2 oz., \$1.50; oz., \$2.75.

**ROSY MORN.** Height 12 inches. Clear pink with a broad, white throat. Postpaid: Pkt., 15c; 1/16 oz., 35c; 1/8 oz., 55c; 1/4 oz., 85c; 1/2 oz., \$1.50; oz., \$2.75.

**SNOWBALL.** Compact, bushy plants with snow-white flowers. Postpaid: Pkt., 15c; 1/16 oz., 40c; 1/8 oz., 65c; 1/4 oz., \$1.10; 1/2 oz., \$2.00; oz., \$3.75.

**NANA ERECTA (Mixed).** All shades and colors of the Dwarf Petunias in mixture. Postpaid: Pkt., 15c; 1/16 oz., 40c; 1/8 oz., 65c; 1/4 oz., \$1.10; 1/2 oz., \$2.00; oz., \$3.75.

## Petunia Hybrida

Plants are extremely free blooming. Ideal for large beds, borders and porch boxes.

**BLUE BEE.** Deep velvet-violet-blue. Postpaid: Pkt., 15c; 1/16 oz., 35c; 1/8 oz., 50c; 1/4 oz., 75c; 1/2 oz., \$1.25; oz., \$2.25.

**FLAMING VELVET.** Velvety rich blood-red, semi-dwarf, very beautiful. Postpaid: Pkt., 25c; 1/16 oz., \$1.00; 1/8 oz., \$1.75; 1/4 oz., \$3.25; 1/2 oz., \$6.25.

**GENERAL DODDS.** Single, large oxblood-red blooms. Postpaid: Pkt., 15c; 1/16 oz., 35c; 1/8 oz., 50c; 1/4 oz., 75c; 1/2 oz., \$1.25; oz., \$2.25.

**CHOICE MIXED.** Fine for bedding, gives a mass of beautiful single flowers. Postpaid: Pkt., 10c; 1/16 oz., 30c; 1/8 oz., 45c; 1/4 oz., 65c; 1/2 oz., \$1.10; oz., \$1.95.

## PETUNIA HYBRIDA (Continued)

**HOWARD'S STAR.** A charming shade of red purple with white star. Unique in the form of its flowers which consist of a five-pointed star. A vigorous, free-blooming, garden sort. Postpaid: Pkt., 15c; 1/16 oz., 35c; 1/8 oz., 55c; 1/4 oz., 90c; 1/2 oz., \$1.60; oz., \$3.00.

**RADIANCE.** There is more rich brilliance and life in the cerise rose color of Radiance than in any Petunia, regardless of type, that we know of. The throat is golden yellow below where the bloom starts to flare. Postpaid: Pkt., 15c; 1/16 oz., 35c; 1/8 oz., 50c; 1/4 oz., 75c; 1/2 oz., \$1.25; oz., \$2.25.

**PURE WHITE.** A beautiful snow-white flower; distinct, very showy. Postpaid: Pkt., 15c; 1/16 oz., 35c; 1/8 oz., 50c; 1/4 oz., 75c; 1/2 oz., \$1.25; oz., \$2.25.

**VIOLET-PURPLE.** A mid-blue color; blooms large and of a lovely form. Postpaid: Pkt., 15c; 1/16 oz., 35c; 1/8 oz., 50c; 1/4 oz., 75c; 1/2 oz., \$1.25; oz., \$2.25.



PETUNIA, Radiance



PETUNIA, Giants of California

## Petunia Giant Flowering

Giant Petunias measure 3 in. or more across. They are excellent for beds, pots, window boxes, and cutting.

**BURGUNDY.** Wine-red with showy white throat, very showy. Postpaid: Pkt., 50c.

**GIANTS OF CALIFORNIA.** Ruffled, single flowers of large size in beautiful colors. Postpaid: Pkt., 50c.

**GIANT FLOWERING MIXED.** Hybrid type with large single bold flowers in a wide range of colors that attract attention. Postpaid: Pkt., 15c; 1/16 oz., 35c; 1/8 oz., 50c; 1/4 oz., 75c; 1/2 oz., \$1.25; oz., \$2.25.

## Petunia Balcony

Showy plants with long branches covered with blooms, 2 1/2 to 3 inches or more across. Equally as desirable for trailing from hanging baskets, porch and balcony boxes as for bedding and cutting.

**BALCONY BLUE.** Rich violet-blue.

**BALCONY RED.** Showy bright crimson.

**BALCONY ROSE.** Clear rose-pink.

**BALCONY WHITE.** Beautiful clear-white.

Prices above four varieties Balcony Petunias: Postpaid: Pkt., 20c; 1/16 oz., 50c; 1/8 oz., 80c; 1/4 oz., \$1.35; 1/2 oz., \$2.50; oz., \$4.75.

**BALCONY MIXED.** All colors in mixture Postpaid: Pkt., 15c; 1/16 oz., 40c; 1/8 oz., 65c; 1/4 oz., \$1.10; 1/2 oz., \$2.00; oz., \$3.75.

## PHLOX—In a Riot of Colors

This is one of the prettiest annuals, of easy culture and should be in every garden. Remarkable for its blooming qualities. Plant is vigorous and blooms all summer. The rich and beautiful colors produce an elegant effect in beds or borders.

**PHLOX DRUMMONDI (Grandiflora).** Unequal for the magnificent display of brilliant colors when used in beds. Will thrive in most any soil. This flower is a native of Texas. Grows from 6 inches to 1 foot high.

**FIREBALL.** Flowers large, blood-red. No seed available this season.

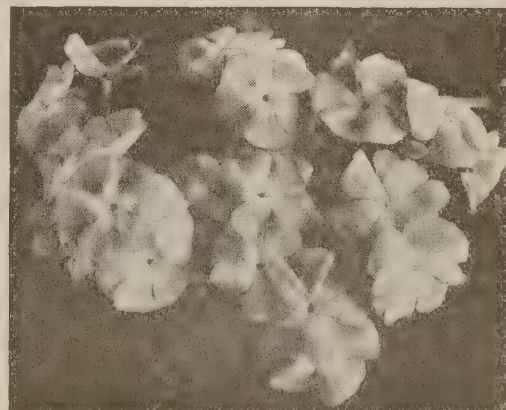
**ROSEA.** Bright pink. Very beautiful. No seed available this season.

**SNOWBALL.** Large clear snow-white. No seed available this season.

**PHLOX DRUMMONDI (Grandiflora) MIXED.** Splendid large flowers in a beautiful mixture. Height 1 foot. No seed available this season.

**PHLOX GIGANTEA (Art Shades).** A new very large flowering type that produces blooms twice as large as the ordinary plant. In lovely pastel shades. Postpaid: Pkt., 20c; 1/16 oz., 60c; 1/8 oz., \$1.00; 1/4 oz., \$1.75; 1/2 oz., \$3.25; oz., \$6.25.

**PHLOX GIGANTEA (Salmon Glory).** The individual florets are gigantic for phlox, measuring with ordinary field culture from 1 1/4 to 1 1/2 inches in diameter. The color is a pure salmon-pink, with a distinct creamy-white eye. This, with its clear, clean, crisp appearance, makes one of the most beautiful color combinations we have ever seen. Salmon Glory will prove to be one of the outstanding flowers in your garden. Postpaid: Pkt., 20c; 1/16 oz., 60c; 1/8 oz., \$1.00; 1/4 oz., \$1.75; 1/2 oz., \$3.25; oz., \$6.25.



PHLOX, Salmon Glory

## "PLANTABBS" PLANT FOOD

Fulton's Plantabbs supply a complete balanced plant food of high analysis PLUS the full, required amount of Vitamin B<sub>1</sub> in each tablet. Vitamin B<sub>1</sub> acts to release and magnify the plant food in soil. If the soil is poor, there is no food to be released. Use Plantabbs for all indoor potted plants and flowers, windows and balcony boxes. Plantabbs are excellent for garden flowers and vegetables. Plantabbs with Vitamin B<sub>1</sub> makes vastly stronger root growth. "You can judge a flower by its roots." Price, postpaid, 10 tablets, 10c; 36 tablets, 25c; 75 tablets, 50c; 200 tablets, \$1.00.





# You Will Enjoy the New Varieties of Scabiosa

## PINKS (Dianthus)

Hardy and half-hardy perennials and biennials, but nearly all bloom the first season from seed. Sow in April and May.

**CHINA DOUBLE.** Popular Indian-pink double flowers in mixed colors. Postpaid: Pkt., 10c; 1/8 oz., 35c; 1/4 oz., 50c; 1/2 oz., 75c; oz., \$1.25.

**DIADEM DOUBLE.** Diadematus double, mixed colors. No seed available this season.

**CLOVE PINK (Dianthus plumarius).** Free blooming, has spicy odor, mixed colors. Postpaid: Pkt., 10c; 1/8 oz., 35c; 1/4 oz., 50c; 1/2 oz., 80c; oz., \$1.35.

**SWEET WIVELSFIELD.** Blooms the first season from seed if planted early. Mixed colors. Postpaid: Pkt., 10c; 1/8 oz., 35c; 1/4 oz., 50c; 1/2 oz., 75c; oz., \$1.25.

## POPPIES

Sow early where they are to bloom as they will not admit transplanting. Successive sowings insure continuous blooms. 18 to 20 inches.

**AMERICAN LEGION.** An improved variety of Flanders Poppy; brilliant orange scarlet, white maltese cross. Postpaid: Pkt., 10c; 1/4 oz., 25c; 1/2 oz., 35c; oz., 55c.

**SHIRLEY DOUBLE PINK.** Salmon-pink. Postpaid: Pkt., 10c; 1/4 oz., 30c; 1/2 oz., 50c; oz., 80c.

**SHIRLEY DOUBLE RED.** Rich scarlet. Postpaid: Pkt., 10c; 1/4 oz., 30c; 1/2 oz., 50c; oz., 80c.

**SHIRLEY DOUBLE MIXED.** Postpaid: Pkt., 10c; 1/4 oz., 30c; 1/2 oz., 45c; oz., 65c.

**SHIRLEY SINGLE (Mixed)** Postpaid: Pkt., 10c; 1/4 oz., 30c; 1/2 oz., 45c; oz., 65c.

## PORTULACA—Rose Moss

A very attractive low-growing annual having a spreading habit; used in borders, beds and rockeries.

**DOUBLE MIXED.** Brilliant colors. Postpaid: Pkt., 20c; 1/16 oz., 50c; 1/8 oz., 80c; 1/4 oz., \$1.35; 1/2 oz., \$2.50; oz., \$4.75.

**SINGLE MIXED.** All colors. Postpaid: Pkt., 15c; 1/16 oz., 35c; 1/8 oz., 50c; 1/4 oz., 75c; 1/2 oz., \$1.25; oz., \$2.25.

## SALPIGLOSSIS

Easily grown, showy annual, 24 inches high. Flowers funnel-shaped, mottled veined and self-colored. Requires good soil; good cut flowers. Sow in April, thin to 6 inches. Commonly known as Painted Tongue.

**ROSE CRIMSON AND GOLD.** Has a sparkling richness far superior to any other varieties. The blooms are easily half-again as large as the ordinary types. A variety of proven merit. Postpaid: Pkt., 10c; 1/16 oz., 25c; 1/8 oz., 35c; 1/4 oz., 55c; 1/2 oz., 85c; oz., \$1.50.

**GLOXINIAFLORA (Choice Mixed).** Postpaid: Pkt., 10c; 1/8 oz., 35c; 1/4 oz., 50c; 1/2 oz., 80c; oz., \$1.35.



SALVIA, Splendens

## SALVIA OR SCARLET SAGE

A hardy annual that blooms the first season from seed. Sow seed in boxes and transplant outdoors in May, eight inches apart.

**ZURICH (Scarlet Red Blossom).** Very early; dwarf, compact plant, 12 to 15 inches. Postpaid: Pkt., 20c; 1/16 oz., 50c; 1/8 oz., 80c; 1/4 oz., \$1.35; 1/2 oz., \$2.50; oz., \$4.75.

**SPLENDENS (Scarlet Sage).** The standard good variety, dependable. Postpaid: Pkt., 20c; 1/16 oz., 50c; 1/8 oz., 80c; 1/4 oz., \$1.35; 1/2 oz., \$2.50; oz., \$4.75.

## SCABIOSA "MOURNING BRIDE"

A magnificent hardy flower of easy cultivation, blooming freely throughout the summer and fall. Stands our hot, dry summers better than almost any other flower. The flowers are large and very showy, growing on stalks 1 1/2 to 2 feet high. They are very decorative for beds, and invaluable for cutting.

**RED, BLACK, YELLOW, WHITE.** Price, each of the above separate colors: Postpaid: Pkt., 10c; 1/8 oz., 35c; 1/4 oz., 50c; 1/2 oz., 75c; oz., \$1.25.

**MIXED COLORS.** Postpaid: Pkt., 10c; 1/4 oz., 30c; 1/2 oz., 50c; oz., 80c.

**SALMON BEAUTY.** This giant flowering annual Scabiosa is of a glorious new color. The huge flowers are pure salmon in color and are borne on long stiff stems. Ideal for the garden or for cutting. Postpaid: Pkt., 10c; 1/8 oz., 35c; 1/4 oz., 50c; 1/2 oz., 75c; oz., \$1.25.



SCABIOSA, Blue Moon

**IMPERIAL GIANTS BLUE MOON.** This new Scabiosa has perfectly formed double flowers of broad, heavy, wavy petals, thus eliminating the "pincushion" appearance that is characteristic of the old type Scabiosa. The flowers are completely double, 2 inches or more in diameter, rich lavender blue in color. The plants are extremely upright, growing 3 1/2 to 4 feet in height, and the flowers are borne on long stems which makes it an ideal cutting type. Postpaid: Pkt., 10c; 1/16 oz., 25c; 1/8 oz., 35c; 1/4 oz., 55c; 1/2 oz., 85c; oz., \$1.45.

**LOVELINESS.** Salmon rose shades. Postpaid: Pkt., 10c; 1/8 oz., 35c; 1/4 oz., 50c; 1/2 oz., 75c; oz., \$1.25.

**ROSETTE.** Deep rose suffused salmon. Postpaid: Pkt., 10c; 1/8 oz., 35c; 1/4 oz., 50c; 1/2 oz., 75c; oz., \$1.25.



STOCKS, Large Flowering Ten Weeks, Mixed

## SNAPDRAGON (RUST-PROOF VARIETIES)

A new race of vigorous growth and free of disease; excellent for borders, beds or cutting. Easily grown from seed. Height 2 feet.

**CRIMSON.** Brilliant fiery crimson.  
**PINK.** Charming rose-pink, very beautiful.  
**YELLOW.** Fine large yellow bouquet flower.  
**WHITE.** Beautiful pure white color.

Price of any of the above four varieties Rust-Proof Snapdragon. Postpaid: Pkt., 20c; 1/16 oz., 50c; 1/8 oz., 75c; 1/4 oz., \$1.30; 1/2 oz., \$2.35; oz., \$4.50.

**DWARF MIXED (Rust-Proof).** Plants 15 to 18 inches high, many beautiful colors in mixture. Postpaid: Pkt., 15c; 1/16 oz., 35c; 1/8 oz., 50c; 1/4 oz., 75c; 1/2 oz., \$1.25; oz., \$2.25.

**TALL MIXED (Rust-Proof).** Finest mixed colors, 2 1/2 to 3 feet in height. Postpaid: Pkt., 20c; 1/16 oz., 50c; 1/8 oz., 75c; 1/4 oz., \$1.30; 1/2 oz., \$2.35; oz., \$4.50.

## STATICE

An easily grown annual. Sow in March or April, transplant 12 inches apart. Excellent everlasting flower.

**SEPARATE COLORS. YELLOW, BLUE, ROSE AND WHITE.** Price of four varieties of separate color Statice: Postpaid: Pkt., 10c; 1/4 oz., 25c; 1/2 oz., 35c; oz., 55c.

**MIXED COLORS.** Postpaid: Pkt., 10c; 1/4 oz., 25c; 1/2 oz., 35c; oz., 50c.

## STOCKS (Gilliflower)

Half-hardy annual; better known as Gilly Flower. Sow seed indoors and transplant in April and May in a cool situation.

**Stocks (Large Flowering Ten Week).** Especially recommended for our southern climate, as they bloom earlier than other varieties.

**BLUE, PINK, YELLOW, RED, WHITE, LAVENDER.**

Price, each of the above 6 colors: Postpaid: Pkt., 15c; 1/16 oz., 35c; 1/8 oz., 50c; 1/4 oz., 80c; 1/2 oz., \$1.35; oz., \$2.50.

**STOCKS (Large Flowering Ten Week) MIXED.** Postpaid: Pkt., 10c; 1/8 oz., 35c; 1/4 oz., 50c; 1/2 oz., 75c; oz., \$1.25.

**STOCKS (Double Perfection) MIXED.** Extra large, exceedingly handsome, 18 inches, flowers very double with long spikes; very fragrant. Postpaid: Pkt., 10c; 1/8 oz., 35c; 1/4 oz., 55c; 1/2 oz., 90c; oz., \$1.55.

## TRANSPLANTONE

Reg. U. S. Pat. Off.

**TRANSPLANTONE, the Vitamin-Hormone Plant Stimulant.** Just mix one teaspoonful to a gallon of water. Then water the soil around the roots. Stimulates backward plants and regenerates roots. Use on seedlings, shrubs, rose bushes and trees. One ounce makes 1,000 gallons solution. Postpaid: 1/2-oz. package, 25c; 3-oz. can, \$1.00.

## ROOTONE

Reg. U. S. Pat. Off.

**ROOTONE. The Plant Hormone Powder.** For better rooting of cuttings, seeds and bulbs. Just dip cuttings into the powder before planting. To treat seeds and bulbs, just dust with Rootone before planting. Postpaid: 1/4-oz. package, 25c; 2-oz. jar, \$1.00; 1 lb. can, \$5.00.



## A black and white photograph of a bouquet of flowers, likely carnations, with dark, patterned petals and light centers, set against a light background. The flowers are arranged in a dense, rounded cluster, with several long, dark leaves visible at the base and sides. The image has a slightly grainy, vintage quality.

## SUNFLOWER

## SWEET WILLIAM

## TEXAS BLUEBONNET

## THUNBERGIA

## TORENIA

## TRITOMA (Red Hot Poker)

## VITAMIN B-1 LIQUID

A scientific growth stimulant and invigorator for garden and house plants, roses, shrubs, trees and lawns. Nu-Vim is identical to the Vitamin B<sub>1</sub> solution used by research chemists in the original experiments. Scientifically stabilized and will keep indefinitely in the original air-tight bottle. Postpaid: 140-gal. size, 25c; 320-gal. size, 50c.

• <b>BACHELOR BUTTON</b> —Double Mixed.....	Pkt.	\$ .10
• <b>CALENDULA</b> —Balls Golden .....	Pkt.	.10
• <b>CLARKIA</b> —Double Mixed .....	Pkt.	.10
• <b>COREOPSIS</b> —Areicula Superba .....	Pkt.	.10
• <b>COSMOS</b> —Orange Flare .....	Pkt.	.10
• <b>GAILLARDIA</b> —Double Lorenziana Mixed.....	Pkt.	.10
• <b>MARIGOLD</b> —Guinea Gold .....	Pkt.	.10
• <b>POPPY</b> —Shirley Double Mixed.....	Pkt.	.10
• <b>SCABIOSA</b> —Mixed Colors .....	Pkt.	.10
• <b>SUNFLOWER</b> —Globe of Gold.....	Pkt.	.10

**Sent Postpaid Anywhere in U.S.A.**

60c

## TITHONIA

**GOLDEN FLOWER OF THE INCAS.** Also known as Mexican Sunflower. The flowers of vivid orange scarlet, are like huge African Marigold. Height about 6 feet, blooming in late summer. Postpaid: Pkt., 10c; 1/16 oz., 25c; 1/8 oz., 40c; 1/4 oz., 60c; 1/2 oz., \$1.00; oz., \$1.80.

**FIREBALL.** A dazzling ball of fire, the last word in brilliance of color. The plant is tall growing, reaching a height of 8 to 9 feet, the bloom a vibrant shade of scarlet orange petals in contrast to the clear yellow center. The foliage, a grayish woolly green with a fairly heavy growth; neat in appearance. Postpaid: Pkt., 15c; 1/16 oz., 35c; 1/8 oz., 50c; 1/4 oz., 75c; 1/2 oz., \$1.25; oz., \$2.25.



**VERBENA, Crimson**

## VERBENAS

**CHOICE MIXED VERBENAS.** Hybrid type, very free blooming. Mixed, all colors. Post-paid: Pkt., 10c; 1/16 oz., 25c; 1/8 oz., 35c; 1/4 oz., 55c; 1/2 oz., 85c; oz., \$1.45.

**VINCA**

**MIXED.** Pink, pink-eye, and white. **No**  
seed available this season.

## MIXTURE OF FLOWER SEEDS

**WILD FLOWER GARDEN MIXTURE.** A haphazard mixture—not a tame garden of wild flowers but a wild garden of tame flower. Contains many annual varieties for continuous blooms. Postpaid: Pkt., 5c; 1/4 oz., 20c; 1/2 oz., 30c; ~~oz., 45c.~~



... when you use

Thompson's

## VITAMIN B<sub>1</sub> PELLETS

(Now contain all the known factors of Vitamin B-Complex.)

Famous as a root-growth factor and stimulant, THOMPSON'S B<sub>1</sub> Pellets have been enthusiastically endorsed by thousands of gardeners. Too, remember

THOMPSON'S

## VITAMIN B<sub>1</sub> PELLETS

... are easy to use. Dissolve a pellet in 20 drops of water— $\frac{1}{3}$  teaspoon—and use one drop in a gallon of water and apply to all plants. ★ Box of 200 pellets (enough for 4,000 gals.) . . . . . \$1

**OTHER SIZES THOMPSON'S  
VITAMIN B-1 PLUS**

50-gallon size Pellets—Postpaid.....	\$ .10
200-gallon size Pellets—Postpaid.....	.25

11/16" X 4"-5"-6"-8"

## WOOD PLANT LABELS

	100	1,000
4-in. Wooden Pot Label.....	\$ .45	\$2.40
5-in. Wooden Pot Label.....	.50	2.65
6-in. Wooden Pot Label.....	.55	2.90
8-in. Wooden Pot Label.....	.60	3.40
10-in. Wooden Pot Label.....	.85	5.90
3½-in. Wired Tree Labels.....	.50	2.65

The above Prices are Postpaid.



# SWEET PEAS FOR GORGEOUS BOUQUETS

**Culture**—Sow from October to April, weather permitting. Cover seed 2 to 4 inches, according to depth of your trench. The soil for Sweet Peas should be rich, deep and well drained. On high and dry soils they may be sown in drills from 4 to 6 inches deep, covered with an inch or two of soil pressed firmly, and the furrow filled in as the plants grow. When the plants are well above the ground, they should be thinned out so as to be at least from 2 to 4 inches apart.

**GIANT EARLY FLOWERING SPENCERS.** Quick growers, starting to flower at an early stage, and will furnish an abundance of blooms before extreme hot weather sets in.

Price of any of the following varieties: Postpaid: Pkt., 10c; oz., 40c; 2 oz., 75c; ¼ lb., \$1.35; ½ lb., \$2.50; 1 lb., \$4.75.

Ball's Rose. Rose pink.  
Harmony. Clear lavender.  
Hope. Pure white.  
Mariner. Marine blue.  
Red Chief. Oxblood crimson.  
Shirley Temple. Rose pink.

**GIANT EARLY FLOWERING MIXED SPENCERS.** Contains a beautiful assortment of the above varieties and others.

Postpaid: Pkt., 10c; oz., 30c; 2 oz., 50c; ¼ lb., 85c; ½ lb., \$1.50; 1 lb., \$2.75.

**GIANT RUFFLED SPENCERS.** A beautiful new class. The flowers are large, distinct, extra ruffled and waved.

Price of any of the following varieties: Postpaid: Pkt., 10c; oz., 25c; 2 oz., 45c; ¼ lb., 75c; ½ lb., \$1.35; 1 lb., \$2.50.

Beauty. Pink and amber.  
Bonny Ruffles. Salmon pink.  
Burpee Blue. Dark blue.  
Heyday. Deep rose pink.  
Sparkle. Glowing cerise.  
White. Pure white.

**GIANT RUFFLED MIXED SPENCER.** Contains a wide range of colors beautifully blended.

Postpaid: Pkt., 10c; oz., 25c; 2 oz., 45c; ¼ lb., 75c; ½ lb., \$1.35; 1 lb., \$2.50.

**GIANT LATE FLOWERING SPENCERS.** Hardy, vigorous growers with branching vines. The large, queenly blossoms are beautifully waved and are borne three to four on fine, long stems.

Price any of the following varieties: Postpaid: Pkt., 10c; oz., 25c; 2 oz., 45c; ¼ lb., 75c; ½ lb., \$1.35; 1 lb., \$2.50.

Admiral. Deep blue.  
Ambition. Lavender lilac.  
Brilliant Rose. Rose.  
Chieftain. Satiny mauve.  
Chinese Blue. Blue.  
Cissie. Light salmon.  
Leviathan. Clear rich maroon.  
Master Cream. Beautiful cream.  
Miss California. Deep pink.  
Olympia. Richest purple.  
Patricia Unwin. Cream pink.  
Pinkie. Clear rose pink.  
Red Boy. Rich crimson.  
Smiles. Shrimp pink.  
Snow Ball. Pure white.

**GIANT LATE FLOWERING MIXED SPENCERS.** Contains many of the above varieties as well as others not listed, and will produce a great abundance of beautiful flowers.

Postpaid: Pkt., 10c; oz., 25c; 2 oz., 45c; ¼ lb., 75c; ½ lb., \$1.35; 1 lb., \$2.50.

## INOCULATE SWEET PEAS

If you want large blossoms and more of them, inoculate the seed before planting with NITRAGIN Inoculation. Directions with package. Price, postpaid, pkg., 10c. Enough for any amount of seed up to 8 pounds.



SWEET PEA, Giant Spencer

# ZINNIAS--Plenty Variety In Colors and Shapes

**Culture**—The seed may be sown in a hot bed or sunny window and transplanted or sown later in the open ground. If sown in the open ground in April, thin out as soon as the plants are well up, leaving at least 1½ feet each way, as they are robust growers and require a large amount of space to attain maximum size.

**FANTASY ZINNIAS.** These have twisted, curled and quilled petals. The blooms are large and full. They are something so different that you will be more than delighted with the Fantasy class of Zinnia.

Orange Lady. Deep bright orange. Postpaid: Pkt., 10c; ⅛ oz., 35c; ¼ oz., 50c; ½ oz., 75c; oz., \$1.25.

Rosalie. Rich intense rose. Postpaid: Pkt., 10c; ⅛ oz., 35c; ¼ oz., 50c; ½ oz., 75c; oz., \$1.25.

White Light. Nearly pure white. Postpaid: Pkt., 10c; ⅛ oz., 35c; ¼ oz., 50c; ½ oz., 75c; oz., \$1.25.

Star Dust. Rich yellow. Postpaid: Pkt., 10c; ⅛ oz., 35c; ¼ oz., 50c; ½ oz., 75c; oz., \$1.25.

Mixed. All colors. Postpaid: Pkt., 10c; ⅛ oz., 35c; ¼ oz., 50c; ½ oz., 75c; oz., \$1.00.

**CALIFORNIA GIANT ZINNIAS.** This is a colossal Giant type with large flowers, immense, broad, nearly flat flowers in a gorgeous assortment of colors. Splendid for cutting or garden effect. Plants grow 3 to 4 feet in height.

Brightness. Bright pink.  
Crimson Queen. Rich crimson.  
Enchantress. Rose-pink.  
Golden Queen. Golden yellow.  
Lavender Gem. Clear lavender.  
Orange Queen. Clear orange.  
Purity. Pure white.  
Rose Queen. Bright rose.  
Violet Queen. Deep purple.  
Mixed. All colors.

Price, above California Giant Zinnias: Postpaid: Pkt., 10c; ⅛ oz., 25c; ¼ oz., 40c; ½ oz., 60c; oz., \$1.00.

**TOM THUMB LILLIPUT ZINNIAS.** 6 to 8 inches high. Mixed varieties. Postpaid: Pkt., 10c; ⅛ oz., 35c; ¼ oz., 55c; ½ oz., 85c; oz., \$1.50.

**MEXICAN HYBRID ZINNIAS.** A very dwarf variety, bear small, double flowers of unusual colorings. Make a beautiful border. 12 inches in height. Mixed colors. Postpaid: Pkt., 10c; ⅛ oz., 35c; ¼ oz., 50c; ½ oz., 75c; oz., \$1.25.

**GALLARDIA FLOWERED ZINNIAS.** The colors range through mellow tones of rose, pink, bronze, yellow, orange, lavender, and other combinations of these colors, some two-toned toward the center. Mixed colors. Postpaid: Pkt., 10c; ⅛ oz., 35c; ¼ oz., 50c; ½ oz., 75c; oz., \$1.25.

**SCABIOSA FLOWERED ZINNIAS.** The outside petals are similar to the Scabiosa or Pin-cushion Flower. They are distinct and novel in appearance. Plants 2 to 2½ feet. Mixed colors. Postpaid: Pkt., 10c; ⅛ oz., 35c; ¼ oz., 50c; ½ oz., 75c; oz., \$1.25.

**CROWN OF GOLD ZINNIAS.** Two-tone color harmony in each flower; overlaid with golden yellow at base and carries out individual flower color at the tip. Mixed colors. Postpaid: Pkt., 10c; ⅛ oz., 35c; ¼ oz., 50c; ½ oz., 75c; oz., \$1.25.

**DAHLIA-FLOWERED ZINNIA.** A beautiful variety, very large and as graceful in appearance as the decorative Dahlia. Flowers often measure 5 to 6 inches in diameter and are produced in magnificent colors. Height of plants 3 feet.

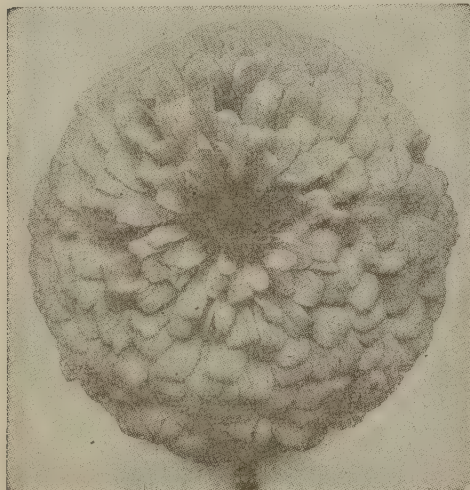
Canary Bird. Canary-yellow.  
Crimson Monarch. Deep crimson.  
Exquisite. Light rose.  
Golden State. Yellow-orange.  
Luminosa. Bright pink.  
Polar Bear. Creamy white.  
Purple Prince. Deep purple.  
Mixed. All colors.

Price, above Dahlia-Flowered Zinnias: Postpaid: Pkt., 10c; ⅛ oz., 25c; ¼ oz., 40c; ½ oz., 60c; oz., \$1.00.

**LILLIPUT or POMPON ZINNIAS.** Pretty compact type producing small double flowers. Height 15 inches.

Pink Gem. Pink.  
Scarlet Gem. Scarlet.  
White Gem. White.  
Golden Gem. Yellow.  
Purple Gem. Purple.  
Pastel Mixture.

Price, above Lilliput or Pompon Zinnias: Postpaid: Pkt., 10c; ⅛ oz., 25c; ¼ oz., 40c; ½ oz., 60c; oz., \$1.00.



ZINNIA, California Giant



ZINNIA, Fantasy



ZINNIA, Pompon



# ROSES MAKE THE GARDEN COMPLETE

**How to Plant**—Dig a hole large enough to spread the roots without crowding and deep enough to cover a little deeper than plants were in the nursery. Roses must be planted so the scar or swelling left by bud or graft is beneath the surface. In filling with soil, shake plant lightly, so soil gets all around the roots, then fill hole completely and firm soil so plant is set solid. Soak well with water. Pruning may be done before new leaf growth starts in spring.

All Two-Year, Field-Grown Plants

## BUSH ROSES

**BETTY UPRICHARD.** The coppery buds open into flowers of unusual size and beauty. Inside of petals light salmon, with brilliant orange and carmine on outside. Postpaid: Each, \$1.10; 3 for \$2.50; 6 for \$4.50; doz., \$8.50.

**CALEDONIA.** A most desirable white. Fine, long pointed buds opening into beautiful, fragrant, double, high-scented flowers. Postpaid: Each, \$1.10; 3 for \$2.50; 6 for \$4.50; doz., \$8.50.

**DAME EDITH HELEN.** Large, full flowers with broad, recurving petals. Color soft creamy pink, deepening to dark rose-pink. Postpaid: Each, \$1.10; 3 for \$2.50; 6 for \$4.50; doz., \$8.50.

**ETOILE DE HOLLAND.** The immense ovoid buds open into very double cupped flowers of an intense bright red with velvety sheen; does not blue and is very fragrant. Postpaid: Each, \$1.10; 3 for \$2.50; 6 for \$4.50; doz., \$8.50.

**GOLDEN DAWN.** The ovoid, lemon-yellow bud, heavily splashed with crimson, develops into a well-formed, sweetly scented, large, double, sunflower-yellow flower. Postpaid: Each, \$1.10; 3 for \$2.50; 6 for \$4.50; doz., \$8.50.

**GOLDEN OPHELIA.** A real golden yellow without a tinge of any contrasting color, perfectly formed, deliciously fragrant flowers. Postpaid: Each, \$1.10; 3 for \$2.50; 6 for \$4.50; doz., \$8.50.

**KAISERIN AUGUSTE VIKTORIA.** Well-formed, cream-colored buds opening into white flowers. Postpaid: Each, \$1.10; 3 for \$2.50; 6 for \$4.50; doz., \$8.50.

**MARGARET MCGREDY.** Buds large, long-pointed; flowers very large, full and a rosy gold with scarlet tints. Postpaid: Each, \$1.10; 3 for \$2.50; 6 for \$4.50; doz., \$8.50.

**PRESIDENT HERBERT HOOVER.** A blend of flame and yellow, varying from coppery red in bud to dazzling cerise pink and orange yellow in full bloom. Postpaid: Each, \$1.10; 3 for \$2.50; 6 for \$4.50; doz., \$8.50.

**RADIANCE.** A bushy, vigorous upright grower, producing an almost continuous supply of silvery to deep pink blooms of lovely form. Postpaid: Each, \$1.10; 3 for \$2.50; 6 for \$4.50; doz., \$8.50.

**RADIANCE, RED.** A duplicate of Radiance with all its good qualities and different only in color, which is a deep rosy red. Postpaid: Each, \$1.10; 3 for \$2.50; 6 for \$4.50; doz., \$8.50.

**TALISMAN.** Deep yellow with shadings of rose and scarlet, highly colored and difficult to describe. Postpaid: Each, \$1.10; 3 for \$2.50; 6 for \$4.50; doz., \$8.50.

## CLIMBING ROSES

**CLIMBING ETOILE DE HOLLAND.** Brilliant red blooms of magnificent size. A good bloomer. Postpaid: Each, \$1.10; 3 for \$2.50; 6 for \$4.50; doz., \$8.50.

**CLIMBING PAUL'S SCARLET.** The flowers are of medium size and are produced in clusters of five to ten or more, each stem being a veritable bouquet. Postpaid: Each, \$1.10; 3 for \$2.50; 6 for \$4.50; doz., \$8.50.

**CLIMBING RADIANCE.** Exactly like the bush variety of the same name except that it is of climbing habit. Lovely rose pink. Postpaid: Each, \$1.10; 3 for \$2.50; 6 for \$4.50; doz., \$8.50.

**CLIMBING RED RADIANCE.** Large globular, cupped blooms of strong, clear red, with no trace of any other color. Postpaid: Each, \$1.10; 3 for \$2.50; 6 for \$4.50; doz., \$8.50.

**CLIMBING TALISMAN.** Produces flowers exactly the same in shape and color as the famous Bush Talisman. A good bloomer. Postpaid: Each, \$1.10; 3 for \$2.50; 6 for \$4.50; doz., \$8.50.



ROSE, Radiance

# Hardy Flowering SHRUBS and Hedge Plants

**ALTHEA (Hibiscus syriacus).** Blooms throughout the summer, and is most accommodating about soil or location. Furnished in following colors: Pink and Red. Size 1½ to 2 ft. Price, postpaid, each, 90c; 3 for \$1.80; 6 for \$3.25; doz., \$5.75.

**BUDDLEIA (Butterfly Bush).** Flowers from early summer until severe frost. During its blooming period it attracts butterflies by the hundreds, hence the name Butterfly Bush. 1½ to 2 ft. size. Price, postpaid, each, \$1.25; 3 for \$3.00; 6 for \$5.25; doz., \$9.75.

**CALYCANTHUS OR SWEETSHRUB (Calycanthus floridus).** A low growing shrub with sweet scented flowers and aromatic wood. Should be planted in partial shade. Size 1½ to 2 ft. Price, postpaid, each, \$1.00; 3 for \$2.00; 6 for \$3.75; doz., \$6.75.

**CYDONIA JAPONICA (Flowering Quince).** Brilliant orange-scarlet flowers which are produced in late winter and early spring before the shrub puts out foliage. Yellow fruits produced in autumn. Size 1½ to 2 ft. Price, postpaid, each, \$1.00; 3 for \$2.00; 6 for \$3.75; doz., \$6.75.

**FORSYTHIA (Golden Bell).** Somehow the Forsythia tells us spring is here more than any other of the blooming shrubs, for the delicate yellow flowers definitely belong to that season and no other. They thrive in almost any soil. Size 1½ to 2 ft. Price, postpaid, each 80c; 3 for \$1.65; 6 for \$2.75; doz., \$4.95.

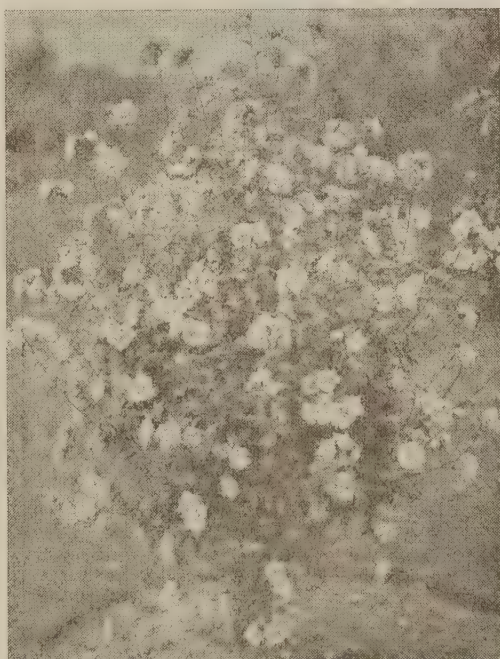
**HYDRANGEA, PEE-GEE (Hydrangea paniculata grandiflora).** Immense panicles of pure white flowers in June and July, lasting several weeks. Should be protected from hot sun. Size 1½ to 2 ft. Price, postpaid, each, \$1.10; 3 for \$2.50; 6 for \$4.50; doz., \$8.50.

**LILAC, COMMON PURPLE (Syringa vulgaris).** The old-fashioned Lilac with light purple, very fragrant flowers. Size 1½ to 2 ft. Price, postpaid, each, \$1.00; 3 for \$2.00; 6 for \$3.75; doz., \$6.75.

**MOCKORANGE (Philadelphus).** Suitable for massing with other shrubs or for specimen planting. Very free flowering and exceptionally hardy in all locations. Blooms late in spring. Size 1½ to 2 ft. Price, postpaid, each, 80c; 3 for \$1.65; 6 for \$2.75; doz., \$4.95.

**SNOWBALL, COMMON (Viburnum opulus sterile).** An old favorite. Rather tall growing; foliage large and coarse; showy flowers in large, white globular heads, making a complete "snowball." Does best in cool, shaded places. Size 1½ to 2 ft. Price, postpaid, each, \$1.25; 3 for \$3.00; 6 for \$5.25; doz., \$9.75.

**ALUMINUM SULPHATE.** When mixed with the soil at rate of 2 pounds to 20 square feet, it adds acidity, giving vigor and increased growth to such acid loving plants as Azaleas, Rhododendrons, Hydrangeas, etc. Postpaid, 1 lb., 20c; 3 lbs., 40c; 10 lbs., 90c.



ALTHEA

**SPIREA, ANTHONY WATERER (Spiraea bumalda, Anthony Waterer).** Of dwarf, bushy, spreading growth. Flowers in corymbs of bright-rose. Does best in partial shade. Size 1½ to 2 ft. Price, postpaid, each, 80c; 3 for \$1.65; 6 for \$2.75; doz., \$4.95.

**SPIREA, BILLARD (Spiraea billardi).** A medium grower with slender spikes of rose-pink, fuzzy flowers. Blooms in early summer. Size 1½ to 2 ft. Price, postpaid, each, 80c; 3 for \$1.65; 6 for \$2.75; doz., \$4.95.

**SPIREA, VAN HOUTTE (Spiraea Van Houttei).** Among the finest of the early spring flowering shrubs. A complete mass of white flowers in round clusters cover the plant in April. Foliage deeply cut and attractive. Size 1½ to 2 ft. Price, postpaid, each, 70c; 3 for \$1.35; 6 for \$2.25; doz., \$3.95.

**WEIGELA, EVA RATHKE (Weigela, Eva Rathke).** An upright, spreading shrub which produces in early summer super trumpet-shaped flowers of distinct shade of red. Size 1½ to 2 ft. Price, postpaid, each, \$1.00; 3 for \$2.00; 6 for \$3.75; doz., \$6.75.

**WEIGELA, PINK (Weigela Rosea).** Medium growing, upright, and useful as specimen or in group plantings. In spring the trumpet-shaped flowers make magnificent display. Flowers medium, varying from delicate flesh pink to deep rose, giving a variegated effect. Size 1½ to 2 ft. Price, postpaid, each, 90c; 3 for \$1.80; 6 for \$3.25; doz., \$5.75.

## HEDGE PLANTS

**PRIVET, AMUR RIVER SOUTH.** Most popular evergreen plant in the South; rich green foliage, compact growth. 1½ to 2 ft. Well branched plants. Postpaid, 10 plants, \$1.35; 25 plants, \$2.80; 50 plants, \$4.50; 100 plants, \$8.00.

**PRIVET, OVALIFOLIUM (California Privet).** The well-known variety, vigorous grower. Deep glossy green leaves; fine for hedges or screening purposes. 1½ to 2 ft. Well branched plants. Postpaid, 10 plants, \$1.35; 25 plants, \$2.80; 50 plants, \$4.50; 100 plants, \$8.00.

RUSSELL-HECKLE

See Green Ink List

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# Plant DAHLIAS for Giant Decorative Flowers

**CULTURE.** Plant bulbs in hills 3 feet apart any time after danger of frost. Soil must be fertile or heavy fertilization is necessary. Lay bulbs flat and cover with 5 inches of soil. Dahlias require a great deal of moisture and clean cultivation.  
Each Bulb Individually Wrapped and Labeled



DAHLIA, Mrs. I. De Ver Warner

**BARBARA REDFERN.** An attractive blending of gold, copper and old rose. Large blooms on good stems. Postpaid, each, 25c; 3 for 60c.

**CALIFORNIA IDOL.** Very large. Many times a prize winner. Beautiful yellow flowers on long, stiff stems. Postpaid, each, 35c; 3 for 85c.

**COQUETTE.** Is a large red tipped gold, rank grower and profuse bloomer. Postpaid, each, 25c; 3 for 60c.

**DOAZON.** Very large orange red. Rank deep green foliage and profuse bloomer. Postpaid, each, 25c; 3 for 60c.

**ELIZABETH SLOCOMBE.** The brilliant purplish-garnet coloring makes it very effective in the garden. Postpaid, each, 25c; 3 for 60c.

**ELLEANOR RADELL.** Large size, beautiful light pink with deep rose margin, tall grower, husky plant. Postpaid, each, 35c; 3 for 85c.

**ELLINOR VANDIVEER.** The large, rose-pink flowers are held well above the plant on long, stout stems. Postpaid, each, 25c; 3 for 60c.

**FRANCIS LAROCO.** Clear lemon yellow of good size. A rank grower and profuse bloomer. Postpaid, each, 25c; 3 for 60c.

**HILLCREST MANDARIN.** The blooms are massive red and yellow coloring, produced freely. Postpaid, each, 25c; 3 for 60c.

**JANE COWL.** Deep, massive blooms of bronzy-buff and old gold, shading deeper at a perfect center. Postpaid, each, 25c; 3 for 60c.

**JERSEY'S BEACON.** A decided novelty of Chinese scarlet with a paler reverse, giving a two-tone effect. Postpaid, each, 25c; 3 for 60c.

**JUDGE ALTON B. PARKER.** Tangerine-orange shades with deeper shadings at the center. A mammoth flower. Postpaid, each, 25c; 3 for 60c.

**JUDGE MAREAN.** A combination of glowing salmon-pink, red, iridescent orange, yellow and gold, all blending most harmoniously. Postpaid, each, 25c; 3 for 60c.

**KENTUCKY.** Pink with blending of yellow and gold, best described as lovely salmon-pink. Postpaid, each, 35c; 3 for 85c.

**MARGARET WOODROW WILSON.** A blending of creamy white and opalescent pink with a deeper pink reflex. An exceptional flower of tremendous size. Postpaid, each, 25c; 3 for 60c.

**MRS. CARL SALBACH.** A beautiful lavender-pink which has blends of deeper lavender toward center. Postpaid, each, 25c; 3 for 60c.

**MRS. GEORGE LE BOUTILLIER.** A giant flower of deep crimson. Postpaid, each, 30c; 3 for 75c.

**MRS. I. DE VER WARNER.** Clear lilac-rose coloring, beautifully formed; massive blooms. Postpaid, each, 25c; 3 for 60c.

**PRESIDENT FRANKLIN D. ROOSEVELT.** Bright red color with buff reverse, large size and will please everybody. Postpaid, each, 30c; 3 for 75c.

**PRIDE OF CALIFORNIA.** Mammoth rich American beauty red. Very tall, vigorous grower. Postpaid, each, 25c; 3 for 60c.

**PRIDE OF STRATFORD.** Very large cadmium orange or red orange. Excellent grower with fine stems. Postpaid, each, 25c; 3 for 60c.

**ROSE GLORY.** Fine lavender pink. The flowers are early, perfect in shape, produced in abundance. Postpaid, each, 25c; 3 for 60c.

**THE COMMODORE.** One of the largest and most spectacular yellow Dahlias. Color a brilliant lemon-yellow; petals long and broad. Postpaid, each, 25c; 3 for 60c.

**WHITE KING.** Pure white. Grows large straight stems and flowers attain large size. Postpaid, each, 25c; 3 for 60c.

**WHITE WONDER.** Flowers very large on fine stems, pure white and of good substance. Postpaid, each, 30c; 3 for 75c.



DAHLIA, Jane Cowl

## TUBEROSES

Plant in March or April, 2 inches deep and 12 inches apart: Trim roots from bulb before planting.

**DOUBLE PEARL.** Postpaid, 6 for 60c; doz., \$1.00; 50 for \$3.75; 100 for \$7.25.

**MEXICAN SINGLE EVERBLOOMING.** Postpaid, 6 for 45c; doz., 75c; 50 for \$2.75; 100 for \$5.25.

## CALADIUM or ELEPHANT EAR

Plant 4 inches deep, 18 inches apart, in March and April. Fertilize and water well all during the summer.

**Large bulbs:** Postpaid, each, 35c; 6 for \$1.60; 12 for \$3.00.

**Medium bulbs:** Postpaid, each, 20c; 6 for 85c; 12 for \$1.50.

**Small bulbs:** Postpaid, each, 15c; 6 for 60c; 12 for \$1.00.



CALADIUM, or Elephant's Ear

## CANNAS

Plant 3 to 4 inches deep and 18 to 24 inches apart as soon as the frost is out of the ground.

All prices uniform as follows: Postpaid, 6 for 60c; doz., \$1.00; 50 for \$3.35; 100 for \$6.50.

**HUNGARIA.** (4 feet.) Rich rosy pink blooms with green foliage.

**KING HUMBERT.** (5 feet.) Deep fiery orange-red with bronze foliage.

**THE PRESIDENT.** (4 feet.) Brilliant crimson flowers, bright green foliage.

**YELLOW KING HUMBERT.** (5 feet.) Lemon-yellow, stippled red, foliage green.

## PEONIES

Peony bulbs should be planted shallow so tip is just at top of the ground. Plant them in February or March, 3 to 4 feet apart.

Price, any of the following varieties: Postpaid, each, 65c; 4 for \$2.25; 12 for \$6.50.

**AVALANCHE.** White flaked crimson.

**FELIX CROUSSE.** Rich dazzling red.

**MONSIEUR JULES ELIE.** Glossy lilac pink.

**QUEEN VICTORIA.** Large, pure white.



CANNAS

**DELUXE COLLECTION**  
**GIANT DECORATIVE DAHLIAS**

1 Francis Larocco  
1 Jane Cowl  
1 Rose Glory  
1 Mrs. I. De Ver Warner  
1 Pride of California  
1 White King

**\$1.25**

Postpaid

The above six varieties are individually wrapped and labeled and packed in attractive gift box with complete cultural directions.

## BULBS FOR FALL PLANTING

Tulips, Lillies, Crocus, Narcissus, etc.

**Ready October 1st**

Write for Prices



# Glorious Gladiolus for a Rainbow of Colors



PICARDY

**ALBATROS.** Large pure white with six to eight blooms open on a tall, very vigorous plant. Blooms face up in the so-called lily form. Postpaid, doz., 95c; 50, \$3.55; 100, \$6.95.

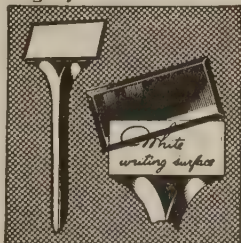
**BAGDAD.** Smoky old rose, somewhat darker toward the edge and lighter in the throat. Six to eight or even more immense blooms open at a time. Postpaid, doz., 95c; 50, \$3.55; 100, \$6.95.

**BERTY SNOW.** Pinkish lavender often flecked darker. Seven to ten large blooms on a long spike. Postpaid, doz., 95c; 50, \$3.55; 100, \$6.95.

## A NEW WEATHERPROOF Plant Marker

"IT WEARS A CAP"

As beautiful as your flowers and we highly recommend this to our trade.



Made of durable metal; baked enamel, green finish. Write on top of stake and slip on plastic window cap. You have an enduring marker, with no fade-out of your writing. Stake is 7" tall, writing surface 1½"x2½". Shipped Prepaid.  
12 markers \$1.00; 25 markers \$2.00;  
50 markers \$3.75; 100 markers \$7.00.

**CULTURAL DIRECTIONS.** Plant the bulbs 4 inches deep and at least 6 inches apart in good garden soil. Gladiolus may be planted as soon as the ground is ready in Spring, and continuous blooms may be obtained by periodic plantings until July. Our bulbs are all No. 1 large size. We do not handle the small grade, which seldom give satisfaction, nor do we handle the very large bulbs which are no better but more expensive.

All No. 1 Size, Best Quality Bulbs

**BETTY NUTHALL.** Warm coral pink with pale yellow throat markings and a tinge of orange. Six to eight blooms open on a tall, strong stem. Postpaid, doz., 95c; 50, \$3.55; 100, \$6.95.

**CADILLAC.** Golden apricot-yellow. An outstanding appealing color. Tall, sturdy spikes. Postpaid, doz., 95c; 50, \$3.55; 100, \$6.95.

**COMMANDER KOEHL.** Dark scarlet-red. Wide open flowers which catch the eye. Postpaid, doz., 95c; 50, \$3.55; 100, \$6.95.

**DEBONAIR.** LaFrance pink shading to shrimp pink with creamy throat blotch, lightly peppered crimson. Six to eight medium large blooms open on a very tall, straight spike. Postpaid, doz., 95c; 50, \$3.55; 100, \$6.95.

**GATE OF HEAVEN.** A wonderfully strong, pure yellow variety. The florets are well spaced, slightly ruffled. Many open and of very pleasing form. Postpaid, doz., \$1.10; 50, \$3.95; 100, \$7.75.

**GIANT NYMPH.** Extra large flowers of exquisite rose-pink with pale gold throats. Vigorous grower and one of the finest varieties. Postpaid, doz., 95c; 50, \$3.55; 100, \$6.95.

**GOLDEN DREAM.** The richest, clearest, pure golden yellow. Large flowers with gracefully recurved petals well placed on tall, straight stems. Postpaid, doz., 95c; 50, \$3.55; 100, \$6.95.

**KASSEL.** A bright, attractive scarlet with no markings. Beautiful, well formed, extra large flowers. Excellent grower and a fine variety for cutting. Postpaid, doz., 95c; 50, \$3.55; 100, \$6.95.

**KING LEAR.** Clear, deep reddish purple with silver line on edge of all petals. Heavily ruffled with five to six open blooms on a tall spike. Postpaid, doz., \$1.10; 50, \$3.95; 100, \$7.75.

**MAID OF ORLEANS.** Milky white with cream throat. Tall, straight plant with up to eight large well placed blooms open. Postpaid, doz., 95c; 50, \$3.55; 100, \$6.95.

**MARGARET FULTON.** Clear rich soft dark salmon of a distinct shade. Six to eight perfectly placed medium size blooms open. Flowers are somewhat cup-shaped. Postpaid, doz., 95c; 50, \$3.55; 100, \$6.95.

**MINUET.** Beautiful light pinkish lavender. Five to six or more well placed blooms open. Postpaid, doz., 95c; 50, \$3.55; 100, \$6.95.

**PEGGY LOU.** New, large light rosy pink. Called a "Sister of Picardy." Very vigorous and has won many awards at recent exhibitions. Very modern Gladiolus. Postpaid, doz., 95c; 50, \$3.55; 100, \$6.95.

**PELEGRINA.** Large, dark blue. Six or more well placed blooms open with most of the remaining buds showing color. A fine variety. Postpaid, doz., 95c; 50, \$3.55; 100, \$6.95.

**PICARDY.** Soft shrimp pink without flecking. A blotch of flesh pink shading to shrimp pink at edges. Soft, inconspicuous feathering of rose. Seven or eight blooms open up to 6 inches or more across. Postpaid, doz., \$1.10; 50, \$3.95; 100, \$7.75.

**RED LIGHTNING.** Large, ruffled, rich scarlet with cream throat. Postpaid, doz., \$1.10; 50, \$3.95; 100, \$7.75.

**RED PHIPPS.** Unusual shade of light red. Medium tall plant with long flower heads. Considered one of the best cut flower reds. Postpaid, doz., 95c; 50, \$3.55; 100, \$6.95.

**SHIRLEY TEMPLE.** Immense heavily ruffled cream with cream-yellow throat. Six to nine well placed large massive blooms on a very long spike. Postpaid, doz., 95c; 50, \$3.55; 100, \$6.95.

**SONATINE.** Atlas-rose with small, cherry-red blotches. The florets are exceptionally large, having very broad petals. Tall, straight stem. Postpaid, doz., 95c; 50, \$3.55; 100, \$6.95.



RED PHIPPS

**VAGABOND PRINCE.** Unusual iridescent garnet brown lighter in upper throat and with a small blotch of glowing flame scarlet on lip petal. Rather odd color but very distinctive and beautiful and entirely unlike anything else. Postpaid, doz., \$1.10; 50, \$3.95; 100, \$7.75.

**WASAGA.** Beautiful clear glowing buff with wide open ruffled blooms. A most chaste and exquisite flower. Four to five good size blooms open at a time. One of the most beautiful varieties in existence. Postpaid, doz., 95c; 50, \$3.55; 100, \$6.95.

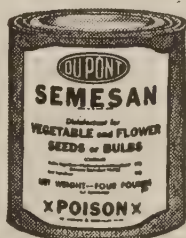
## 2 Outstanding Values in TOP NOTCH GLADIOLUS

### FLORIST MIXTURE

A well-balanced mixture including many colors and types of Early, Medium and Late Varieties. An especially useful selection for brilliant garden display or cutting. We suggest several plantings. Postpaid, 1 doz., 85c; 50, \$3.20; 100, \$6.25; 500, \$29.00.

### EXHIBITION MIXTURE

A very fine mixture selected from many popular named varieties with particular care to include a wide range of colors and shades of Early, Medium and Late Varieties which harmonize well together. Postpaid, 1 doz., 90c; 50, \$3.45; 100, \$6.75; 500, \$31.00.



### GLADIOLUS

Hard rot, scab or pock, and several other diseases of gladiolus are carried on the corms. Thrips also live over winter on the corms. Liquid Semesan treatment of the corms helps to control the surface borne hard rot and scab, and to destroy the thrips and their eggs. Full directions on package. Postpaid, ½ oz., 12c; 2 oz., 43c.



# Grow More FRUITS and BERRIES

## HOW and WHEN to PLANT NURSERY STOCK

### PLANTING DIRECTIONS

The holes for planting must be large enough to receive the roots freely, without cramping or bending them from their natural position. All broken or mutilated portions of the roots must be cut off so as to leave the ends smooth and sound. All trees should be planted two or three inches deeper than they stood in the nursery row; pack the soil very firmly about the roots by tramping with the feet, being careful not to bark or break the roots. Leave three inches of the surface soil loose to serve as a mulch. If the ground is very dry apply one or two pails of water before this soil mulch is in place, and after the water has soaked away it can then be placed over the moist soil. Never put manure so as to come in contact with the roots of any plant or tree. Plant any time from October 15th to March 15th, weather permitting.

### PLANTING DISTANCES

Fig—12 to 15 feet apart each way.  
Peach—16 to 26 feet apart each way.  
Apple—25 to 40 feet apart each way.  
Cherry (sour)—16 to 25 feet apart each way.  
Cherry (sweet)—24 to 40 feet apart each way.  
Pear—24 to 40 feet apart each way.  
Plum and Apricot—20 to 24 feet apart each way.  
Pecans—40 to 80 feet apart each way.  
Black Raspberries and Dewberries—Rows 4 feet apart, 4 to 5 feet apart in row.  
Blackberries and Youngberries—Rows 5 feet apart, 3 feet apart in row.  
Red Raspberries—Rows 5 to 6 feet apart, 2 to 3 feet apart in rows.  
Strawberries—Rows 24 to 36 inches apart, 12 to 18 inches apart in row.  
Grape Vines and Boysenberries—Rows 8 to 10 feet apart, 8 feet apart in row.

**HANDLING NURSERY STOCK UPON ARRIVAL**—Receive your stock without delay and plant just as soon as possible. If weather conditions do not permit immediate planting or should planting be delayed more than one or two days, unpack stock, dip the roots in water, then heel-in in a well drained location, having the earth tramped solid about them. Stock which seems somewhat dry upon opening should be buried in wet soil for a day or so to liven stems before planting. **CLAIMS**—Claims, for any reason, must be made in writing promptly upon receipt of the stock.

### VINES AND BERRY PLANTS

**GRAPES.** Two-year No. 1 grade, postpaid, each, 70c; 3 for \$1.35; 10 for \$3.25.

✓ **Campbell Early.** Black, early grape, great size.

✓ **Concord.** Blue-black, sweet and juicy.

✓ **Moore's Early.** Very early, large black, ripens uniformly.

✓ **Niagara.** Greenish white, vine vigorous, productive.

✓ **SCUPPERNONGS.** One-year No. 1 grade, postpaid, each, \$1.20; 3 for \$2.50; 10 for \$7.25.

✓ **Bronze.** Color brown, thick skin, very sweet.

✓ **James.** Blue-black, larger and earlier than Bronze.

✓ **DEWBERRIES.** Two-year strong transplanted stock. Postpaid, 10 plants, \$1.50; 25, \$2.75; 50 for \$4.75; 100, \$8.25.

✓ **Austin.** Very large fruit. Vigorous grower and productive.

✓ **Lucretia.** Large, soft, black fruit of fine flavor.

✓ **YOUNGBERRIES.** Two-year strong transplanted stock. Postpaid, 10 plants, \$1.55; 25, \$3.00; 50 for \$5.00; 100, \$8.75.

✓ **BLACKBERRIES.** Two-year extra strong transplanted canes. Postpaid, 10 plants, \$1.50; 25, \$2.75; 50 for \$4.75; 100 for \$8.25.

✓ **Early Harvest.** Ripens early, medium size, very sweet.

✓ **Eldorado.** Large size, soft, delicious quality.

✓ **RASPBERRIES.** Two-year strong transplanted canes. Postpaid, 10 plants, \$1.65; 25, \$3.25; 50 for \$5.25; 100, \$9.50.

✓ **Cumberland.** Large Blackcap, fine flavored.

✓ **Latham.** Rich red fruit, ripens late, large size.

✓ **St. Regis.** Bright crimson, sweet, everbearing variety.

✓ **BOYSENBERRIES.** Extra large in size, fruit reddish black, succeeds almost anywhere and produces a big crop. Strong tip-rooted plants, postpaid, 10, \$1.80; 25 \$3.50; 50, \$6.00; 100, \$10.50.

### PAPER SHELL PECANS

2 to 3-ft. grafted trees. Postpaid, each, \$2.25; 3 for \$5.75; 6 for \$10.50.

✓ **Stuart.** Bears early, oval shape, thin shell.

✓ **Schley.** Long shaped, a real papershell nut.

✓ **Success.** Very large, almost round, thin shell.

### STRAWBERRY PLANTS

**STRAWBERRIES.** Set in March or April, October or November. Select a good, clean place, free from Bermuda grass so you can cultivate often without disturbing the roots of the plant. Postpaid, 100 plants, \$2.50; 500, \$8.50; 1,000, \$14.50.

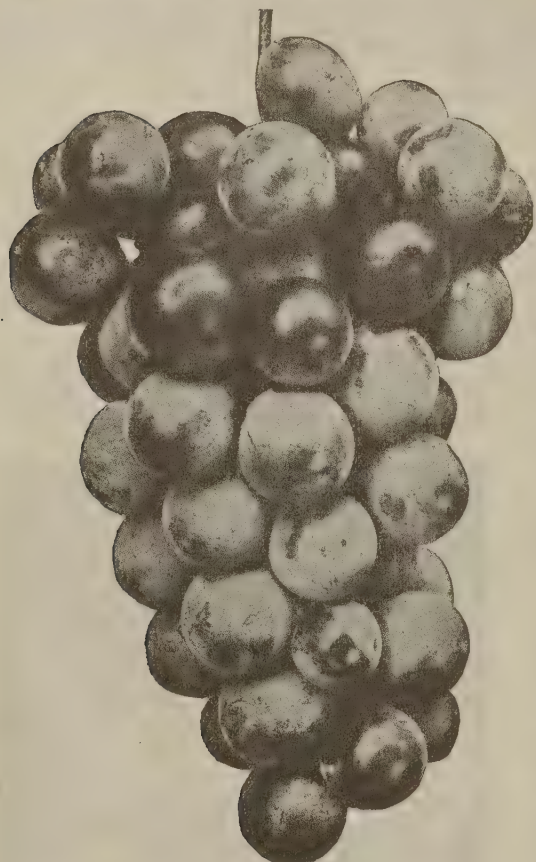
✓ **Fairmore.** A Fairfax-Blakemore cross. Produces a great early berry.

✓ **Aroma.** Held in high esteem by growers as a mid-season variety.

✓ **Klonmore.** One of the newer varieties and is much talked of.

✓ **Dunlap.** A standard variety which has been grown successfully for many years.

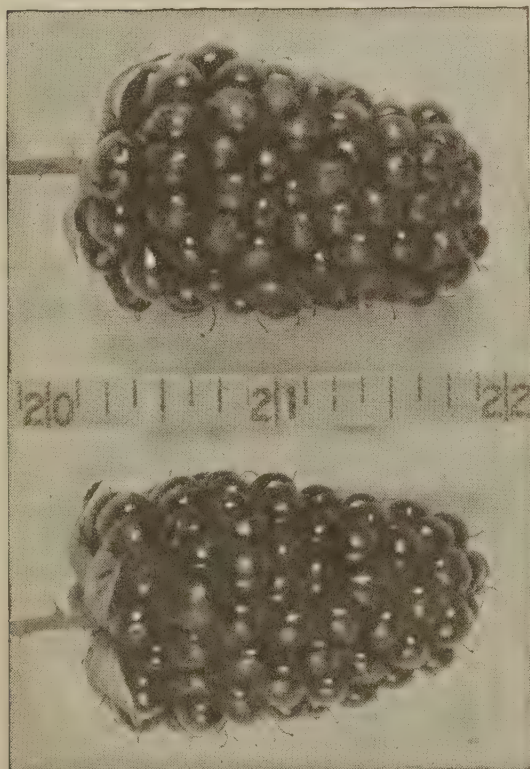
✓ **Blakemore.** Very early, bright red, profitable for market.



GRAPES, Moore's Early



RASPBERRIES, Latham



BOYSENBERRY (Actual Size)



PAPER SHELL  
PECAN

STRAWBERRY  
PLANT



# RUSSELL-HECKLE SEED CO.

## Memphis 1, Tennessee

Ship by—Mail ☐ Express ☐ R. R. Freight ☐ Truck ☐  
(Mark X in square for desired shipment)

\$.....	Stamps
---------	--------

Shipped

[illegible]

# NOTICE

If we should be sold out of a variety on your order, shall we substitute with a variety equally as good quality as the variety ordered, or return your money? PLEASE MARK WITH AN "X"

Substitute.....

Return Money .....



**EXTRA ORDER BLANKS WITH RETURN ENVELOPE SENT ON REQUEST**

[illegible]

# 1945 CALENDAR

If you will write below five names and addresses of your friends that you think would be interested in our catalog, accompanied with an order totalling \$1.00 or more, we shall be glad to show our appreciation by sending you a copy of our 1945 Calendar and Almanac. This offer holds good only so long as our present limited supply lasts.

NAMES	POSTOFFICE	R. F. D.	STATE
1			
2			
3			
4			
5			

**All members of the same family should order under the same name, preferably the head of the family.**



# *The* PROGRESSIVE FARMER



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AND HOME MAGAZINE

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## Mail

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# RUSSELL-HECKLE SEED CO.

16 SOUTH FRONT ST.

**TOP NOTCH  
FIELD AND GARDEN  
SEEDS**

**MEMPHIS 1, TENN.**



*BE SURE YOU HAVE GIVEN YOUR COMPLETE  
ADDRESS AND SIGNED YOUR NAME.*



# Top Notch APPROVED VARIETIES

## APPLES

	Each	3	6	Doz.
One-year, 2 to 3 ft. size.....	Postpaid \$0.70	\$1.35	\$2.00	\$3.75
Two-year, 4 to 5 ft. size.....	Postpaid 1.20	2.50	4.50	8.75

✓ **RED BIRD.** Ripens early June. Large, glowing scarlet fruit—best early quality.

✓ **EARLY HARVEST.** Ripens late May, flesh yellow and juicy.

✓ **WINTER BANANA.** Ripens in October. Clear pale yellow with beautiful pinkish blush.

✓ **JONATHAN.** Ripens in September, skin red, flesh crisp, juicy.

✓ **DOUBLE RED DELICIOUS.** Ripens September, rich dark red skin, flesh sweet.

✓ **RED JUNE.** Ripens late June, deep red skin, flesh white and juicy.

✓ **STAYMAN WINESAP.** Ripens in October, skin dark red, flesh crisp, juicy.

✓ **HYSLOP CRAB.** Ripens September, yellow with heavy shadings of deep crimson.

✓ **YELLOW DELICIOUS.** Ripens September, golden yellow, flesh crisp and sweet.

✓ **YELLOW TRANSPARENT.** Ripens in June, greenish yellow skin with white flesh.



APPLE, Jonathan

## PEACHES

	Each	3	6	Doz.
One-year, 2 to 3 ft. size.....	Postpaid \$0.70	\$1.35	\$2.00	\$3.75
Two-year, 4 to 5 ft. size.....	Postpaid 1.20	2.50	4.50	8.75

✓ **ARP BEAUTY.** Freestone, ripens in July, yellow skin with pink cheek, flesh yellow.

✓ **BELLE OF GEORGIA.** Freestone, ripens in August, skin white with red blush, flesh white and sweet.

✓ **CARMAN.** Freestone, ripens late June, skin white with pink cheek, flesh white and delicious.

✓ **GOLDEN JUBILEE.** Freestone, ripens about July 15th, yellow Elberta type.

✓ **EARLY ELBERTA.** Freestone, ripens July 15th, yellow flesh.

✓ **ELBERTA.** Freestone, ripens late July, skin yellow with red cheek, flesh yellow.

✓ **HILEY EARLY BELLE.** Freestone, ripens July 20th, skin white, tinted red, flesh white.

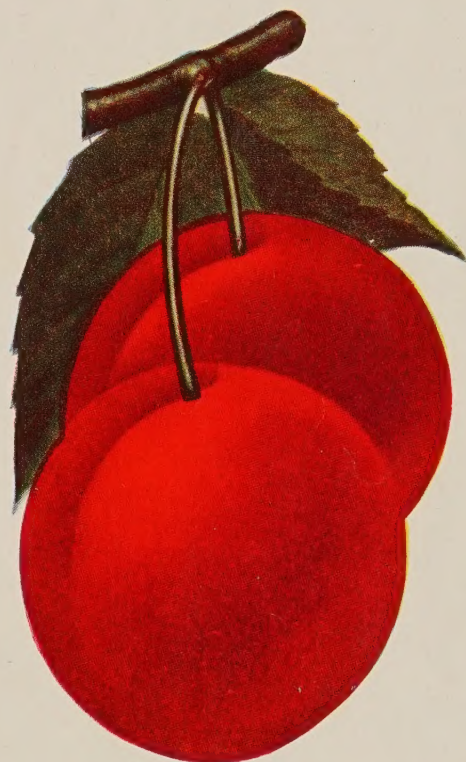
✓ **INDIAN BLOOD.** Clingstone, ripens late August, flesh red, streaked white.

✓ **J. H. HALE.** Freestone, ripens about August 10th, skin yellow and red, flesh yellow.

✓ **HEATH CLING.** Clingstone, ripens in September, flesh white, best to preserve or pickle whole.

✓ **MAYFLOWER.** Freestone, ripens the earliest, June 1st to 10th. Flesh white, skin white with faint blush.

✓ **RED BIRD.** Semi-cling. Ripens about June 15th; skin rosy red, flesh white.



PLUM, Red June

## PEARS

	Each	3	6	Doz.
One-year, 2 to 3 ft. size.....	Postpaid \$1.20	\$2.50	\$4.50	\$8.75
Two-year, 4 to 5 ft. size.....	Postpaid 2.30	5.00	9.50	18.75

✓ **BARTLETT.** Skin yellow, with very sweet juicy flesh.

✓ **GARBER.** Greenish yellow skin, large size, good for eating.

✓ **KIEFFER.** Greenish yellow skin, fine for preserving.

✓ **SECKEL.** Small sugar pear. Sweetest and most prolific.

## PLUMS

	Each	3	6	Doz.
One-year, 2 to 3 ft. size.....	Postpaid \$0.80	\$1.50	\$2.65	\$4.75
Two-year, 4 to 5 ft. size.....	Postpaid 1.40	3.00	5.50	10.75

✓ **GOLD.** Very large with golden yellow skin, overspread with bright carmine blush.

✓ **ABUNDANCE.** Ripens in July, large cherry-red.

✓ **BURBANK.** Red with yellow shading, very sweet, ripens in July.

✓ **SAPA.** Large size purple plum with purple flesh. Ripens in July.

✓ **RED JUNE.** Bright deep red, fine quality, ripens in June.

✓ **SHROPSHIRE DAMSON.** Rich deep blue, fine for preserving.

## CHERRIES

	Each	3	6	Doz.
One-year, 2 to 3 ft. size.....	Postpaid \$1.40	\$3.00	\$5.50	\$10.75
Two-year, 4 to 5 ft. size.....	Postpaid 2.20	4.85	9.25	18.25

✓ **BLACK TARTARIAN.** Sweet, ripens in May, skin black, large size.

✓ **BING.** Sweet, ripens in May, skin dark red, very delicious.

✓ **EARLY RICHMOND.** Sour, ripens in May, sub-acid, skin light red.

✓ **LARGE MONTMORENCY.** Sour, ripens late May, large, rich, red.

## FIGS

	Each	3	6	Doz.
One-year, 1½ to 2 ft size.....	Postpaid \$1.10	\$2.25	\$4.15	\$7.75
Two-year, 2 to 3 ft. size.....	Postpaid 1.20	2.50	4.50	8.75

✓ **BROWN TURKEY.** Medium; violet brown; sweet and good. Bears on the new shoots.

✓ **CELESTIAL.** Makes large trees. Small, pale, violet fruit, fine flavored; very early.

## APRICOTS

	Each	3	6	Doz.
One-year, 2 to 3 ft. size.....	Postpaid \$1.10	\$2.25	\$4.15	\$7.75
Two-year, 4 to 5 ft. size.....	Postpaid 1.80	3.85	7.15	14.00

✓ **EARLY GOLDEN.** Flesh orange, hardy and productive.

✓ **ROYAL.** Skin yellow with orange cheek, good size.



APRICOT, Early Golden





# RUSSELL-HECKLE SEED CO.

MEMPHIS 1, TENNESSEE

## BIG 10 COVER COLLECTION

1 Pkt.	Copenhagen Market Cabbage.....	.05
1 Pkt.	Golden Crookneck Squash.....	.05
1 Pkt.	California Wonder Pepper.....	.10
1 Pkt.	Straight Eight Cucumber.....	.05
1 Pkt.	Marglobe Tomato.....	.05
1 Oz.	Crosby's Egyptian Bean.....	.15
1 Oz.	Imperator Carrot.....	.20
1 Oz.	Early Scarlet Globe Radish.....	.10
½ Lb.	Golden Bantam Corn.....	.25
½ Lb.	Tendergreen Bush Beans.....	.25

**10** Outstanding Varieties (\$1.25 Value) **75c**  
Sent Postpaid for Only.....

HOME COLLECTION ON PAGE 19